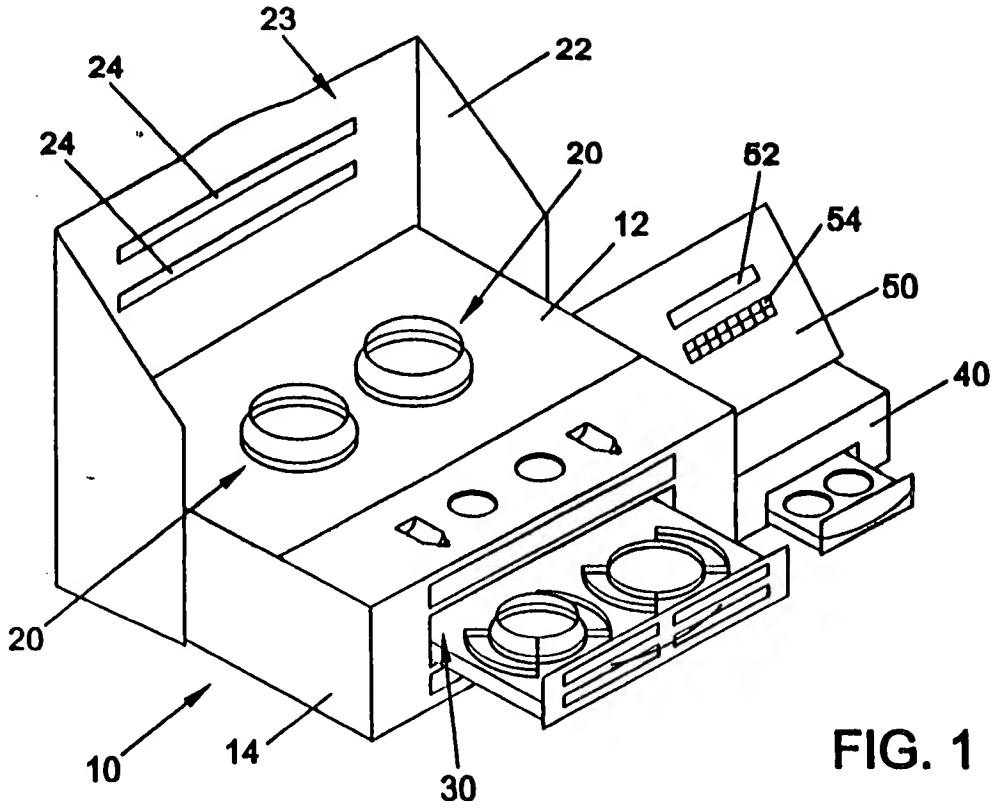


FIG. 1

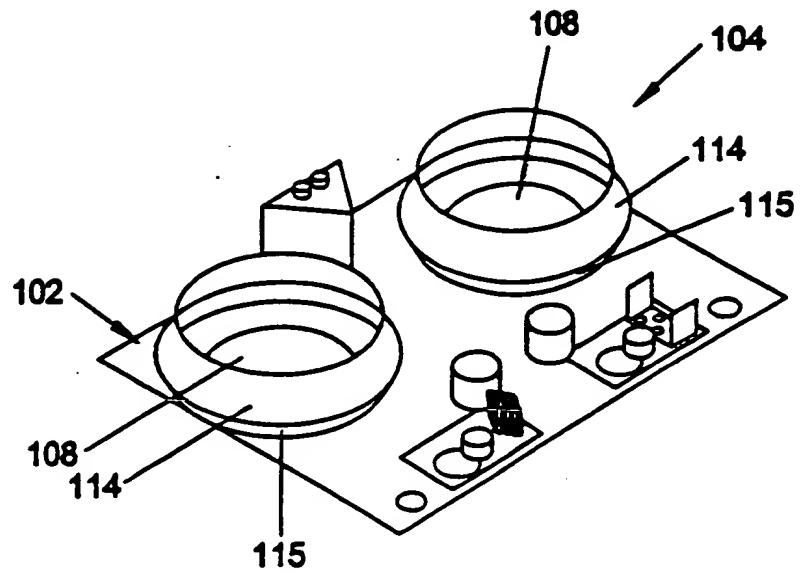


FIG. 2

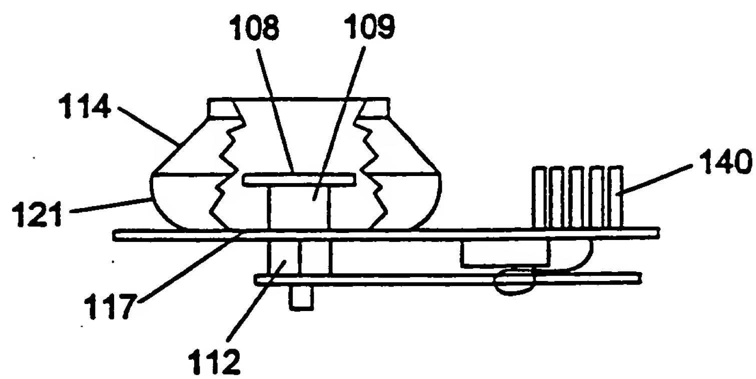


FIG. 3

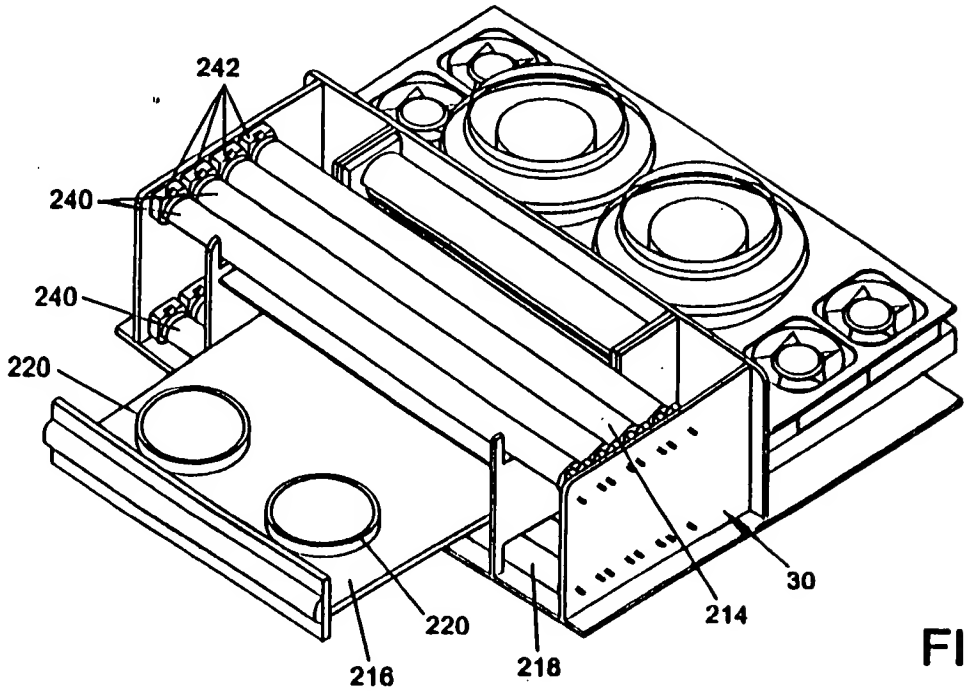


FIG. 4

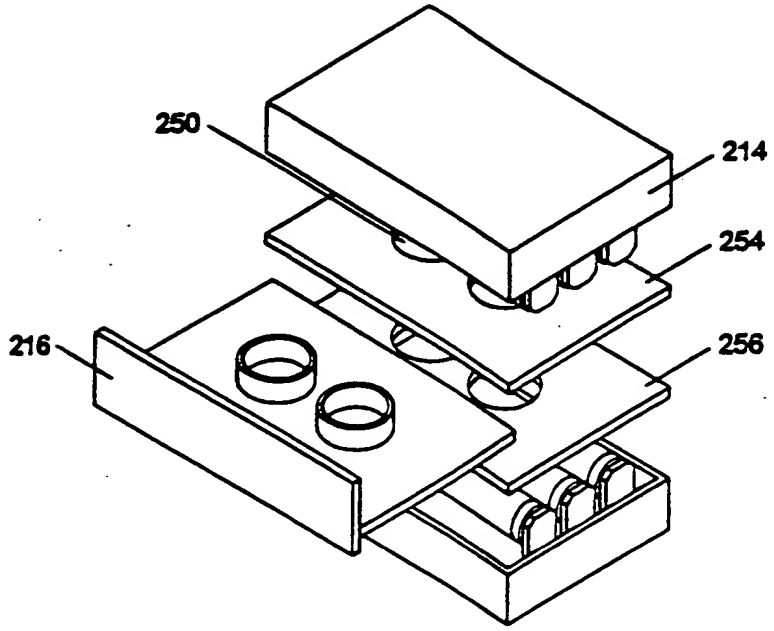


FIG. 5

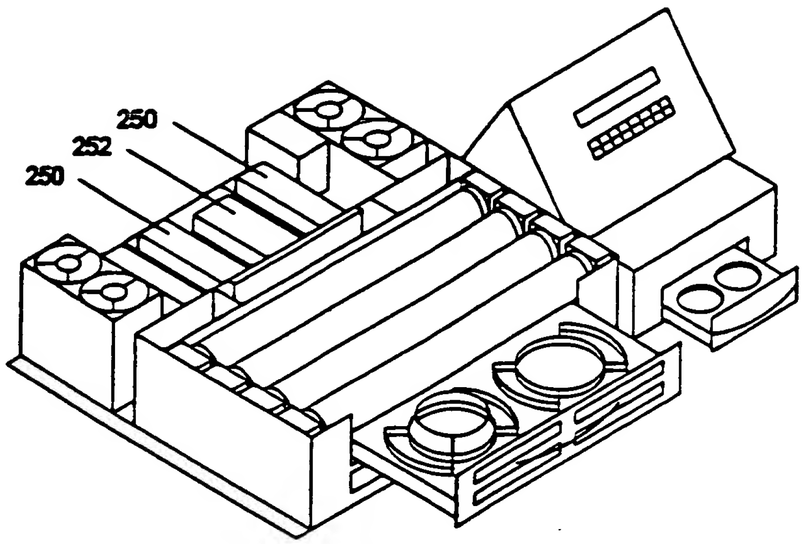


FIG. 6

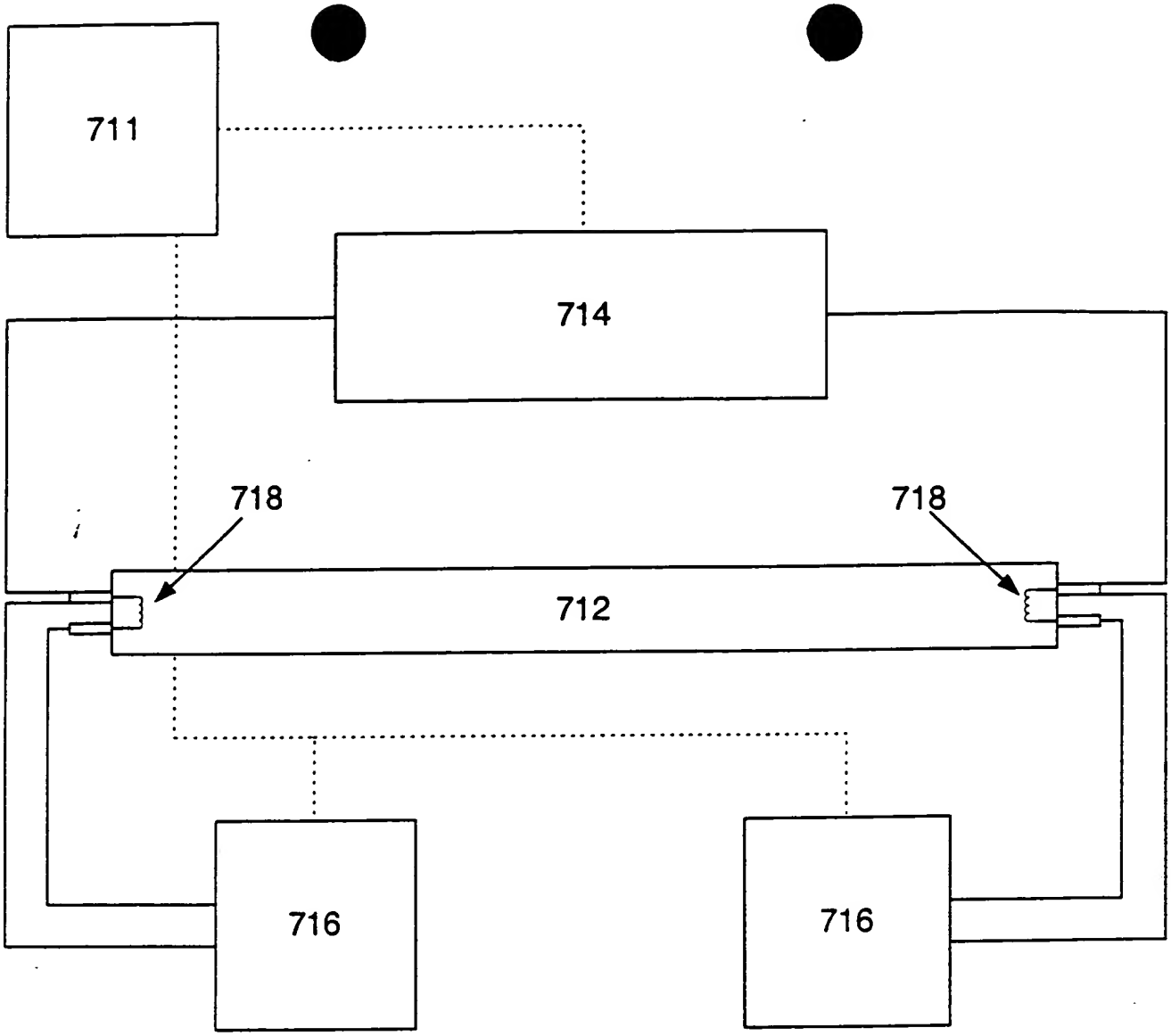


FIG. 7

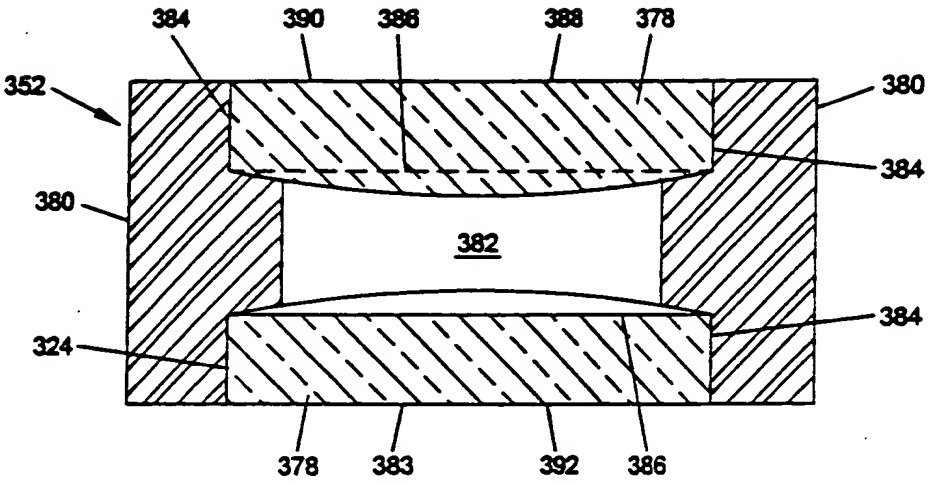


FIG. 8

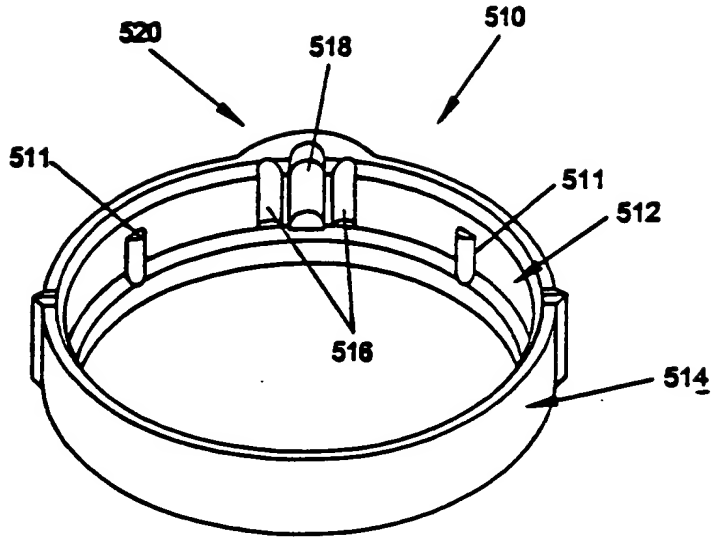

520
518
510
511
511
512
516
514

FIG. 9

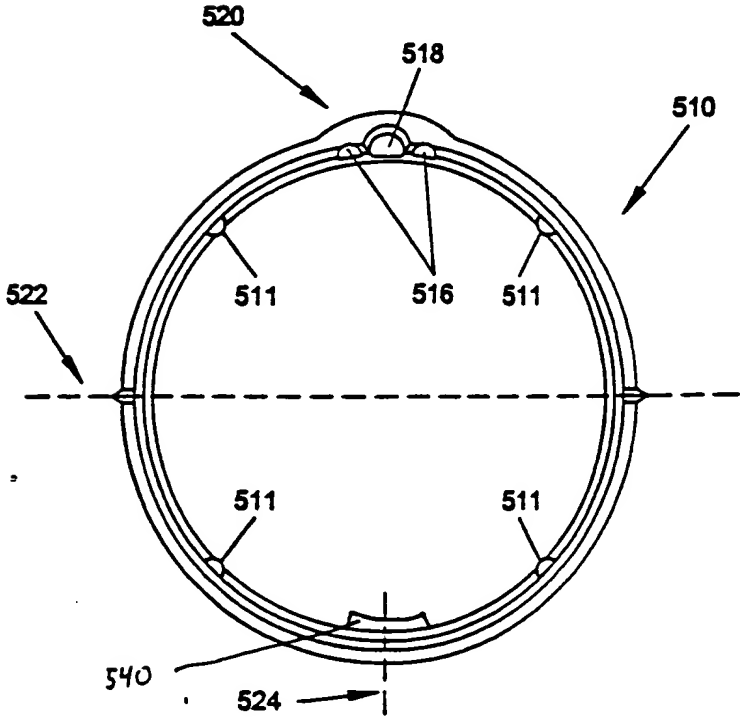

520
518
510
522
511
516
511
511
511
540
524

FIG. 10

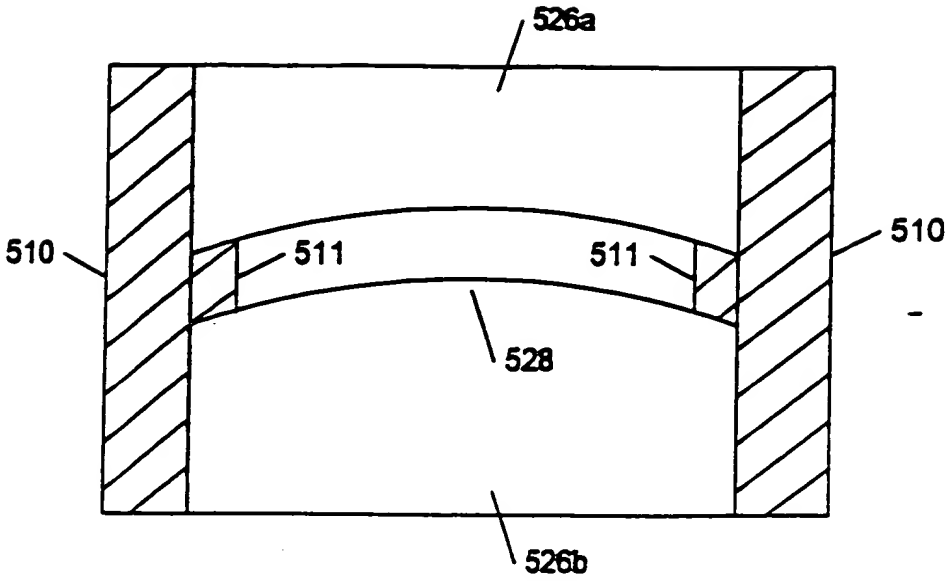


FIG. 11

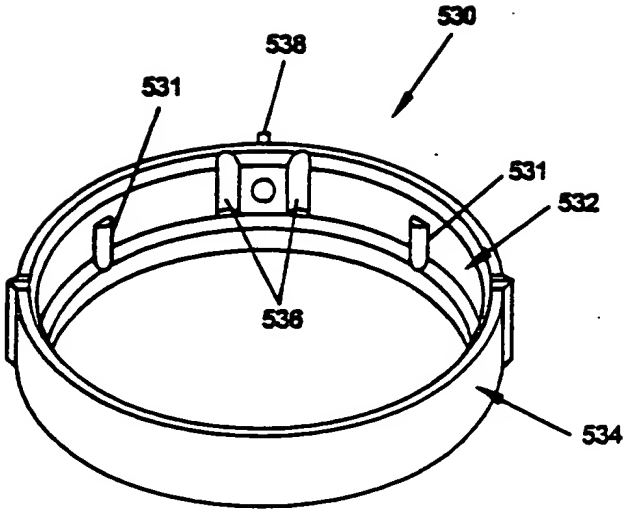

530
538
531
531
532
536
534

FIG. 12

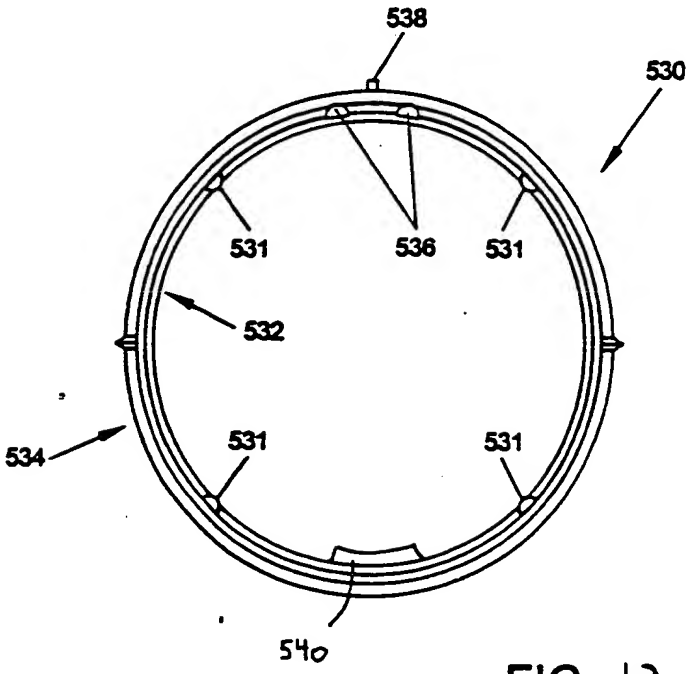

538
530
531
536
531
532
534
531
531
540

FIG. 13

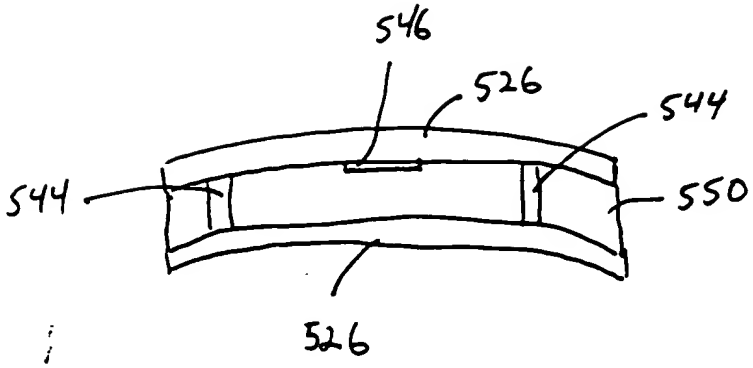


FIG. 14

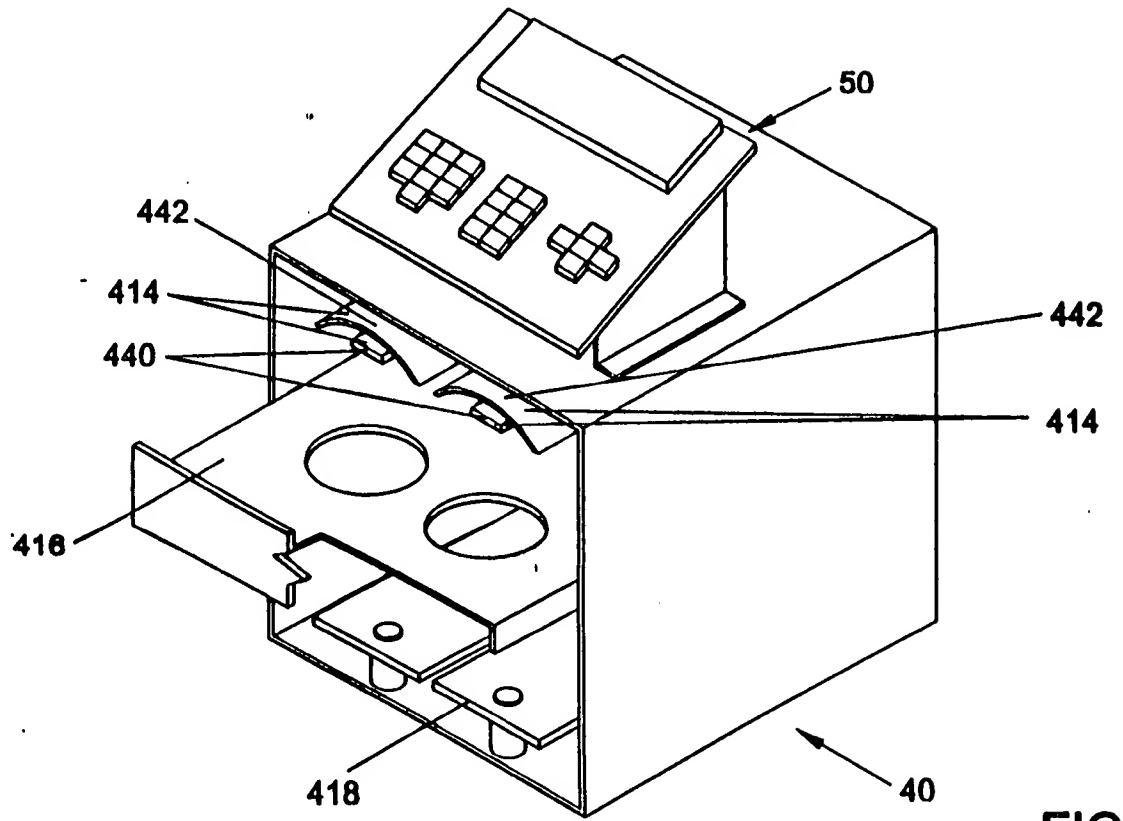
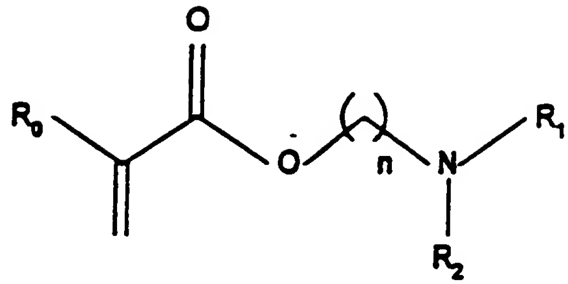
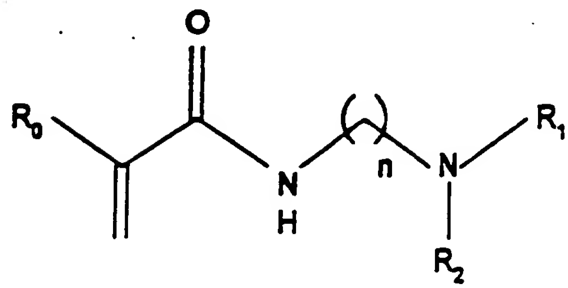


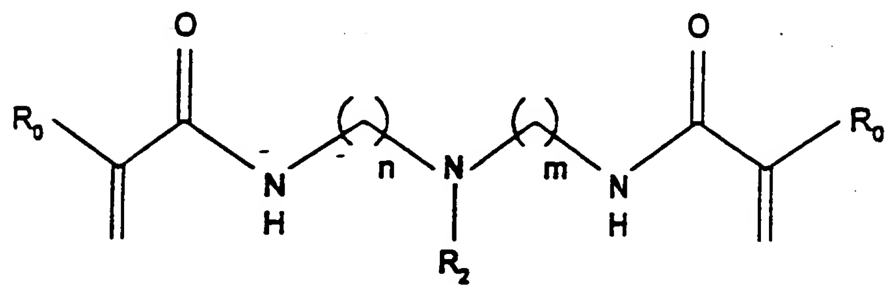
FIG. 15



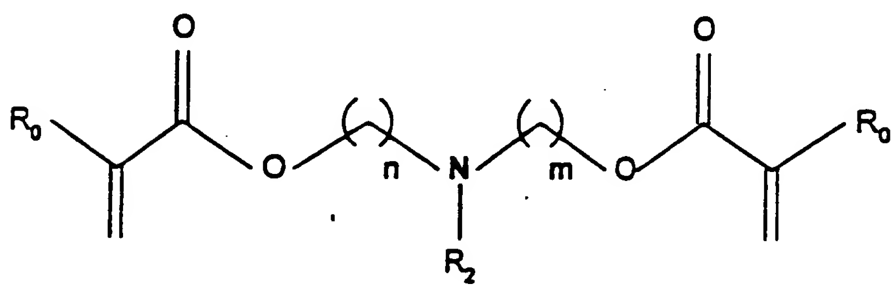
(A)



(B)



(C)



(D)

FIG. 16

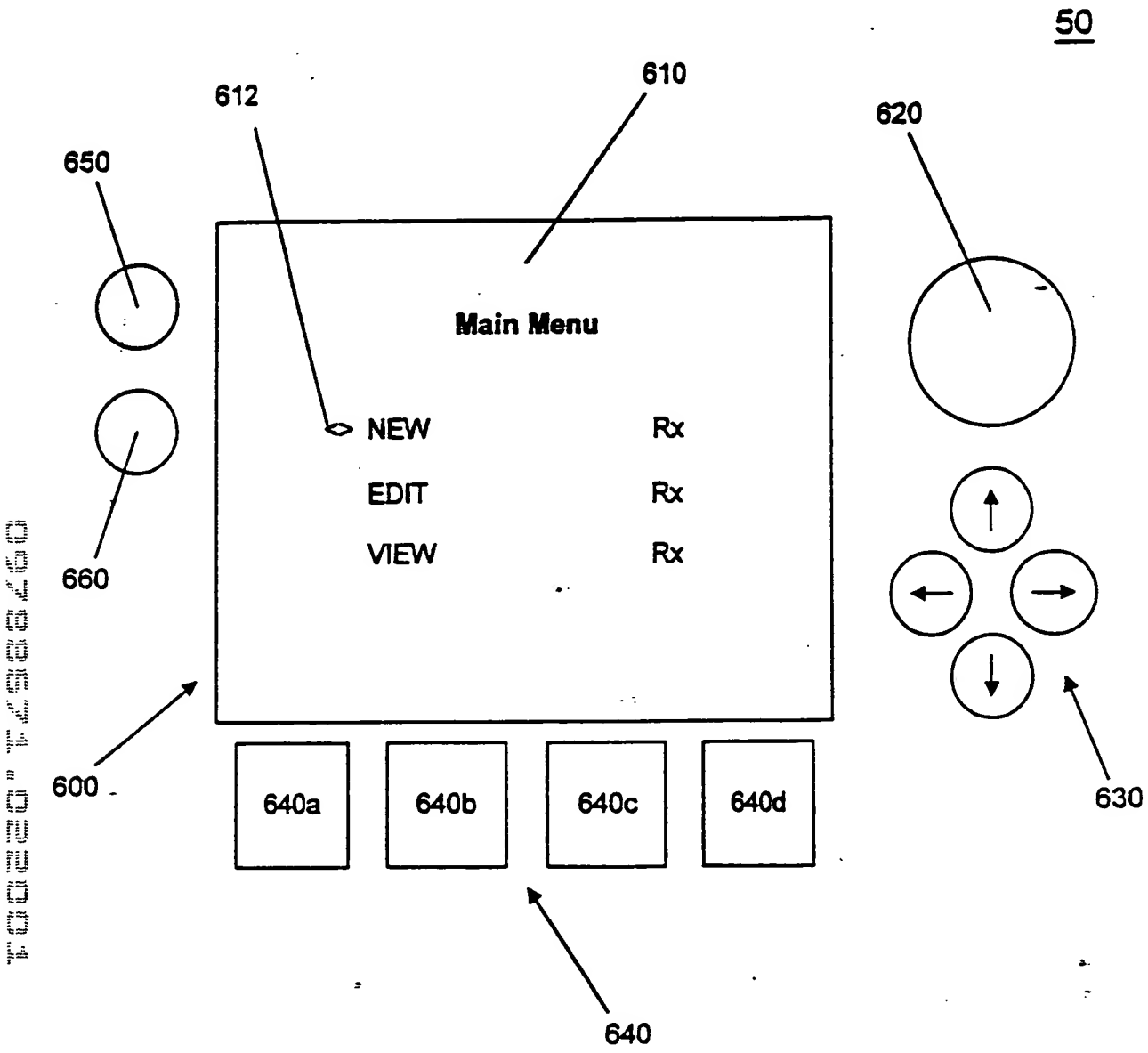

50
610
612
620
650
Main Menu
NEW Rx
EDIT Rx
VIEW Rx
660
600
640a
640b
640c
640d
630
640

FIG. 17

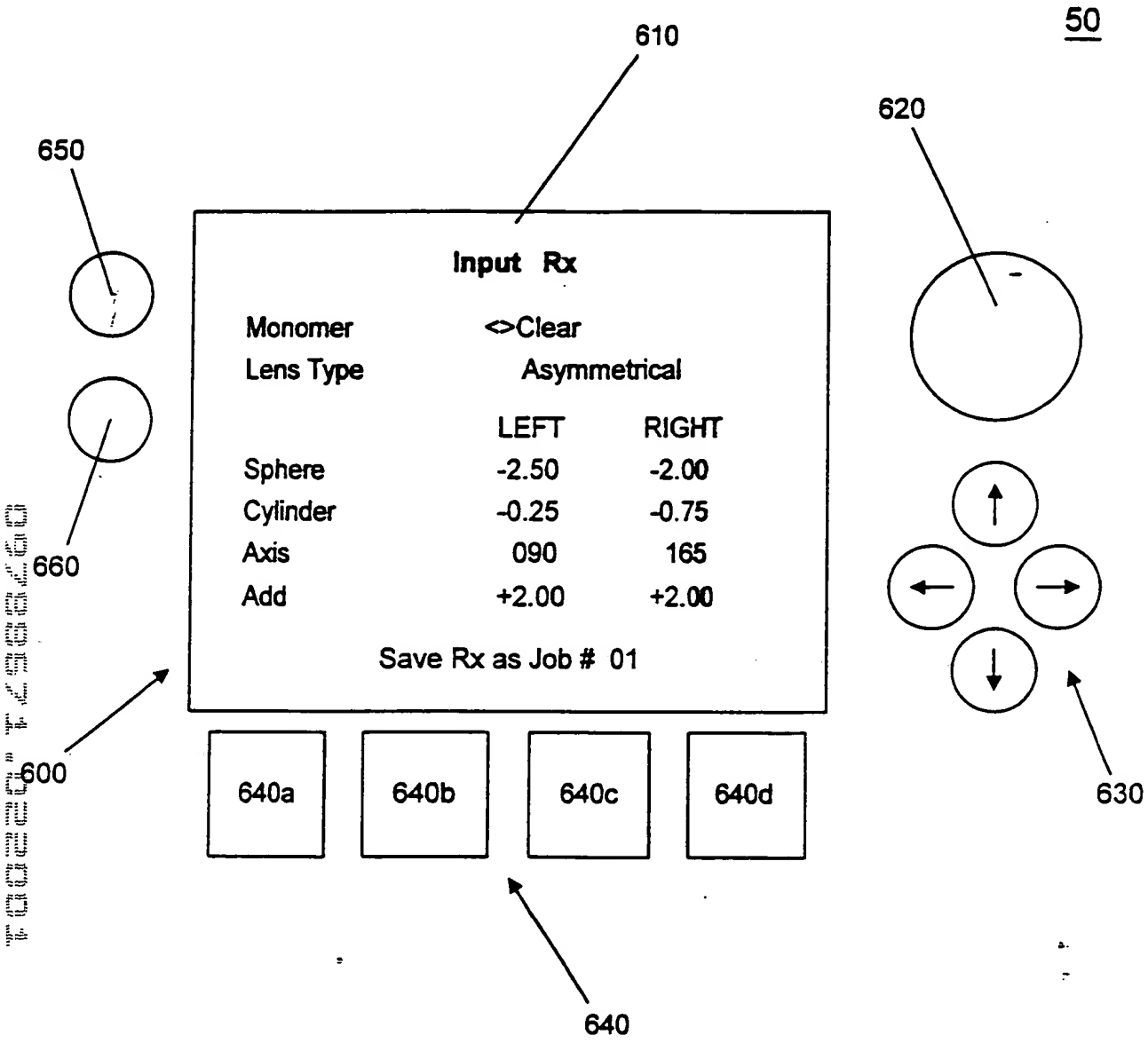

50
610
620
650
Input Rx
Monomer <>Clear
Lens Type Asymmetrical
LEFT RIGHT
Sphere -2.50 -2.00
Cylinder -0.25 -0.75
Axis 090 165
Add +2.00 +2.00
Save Rx as Job # 01
660
600
640a
640b
640c
640d
630
640

FIG. 18

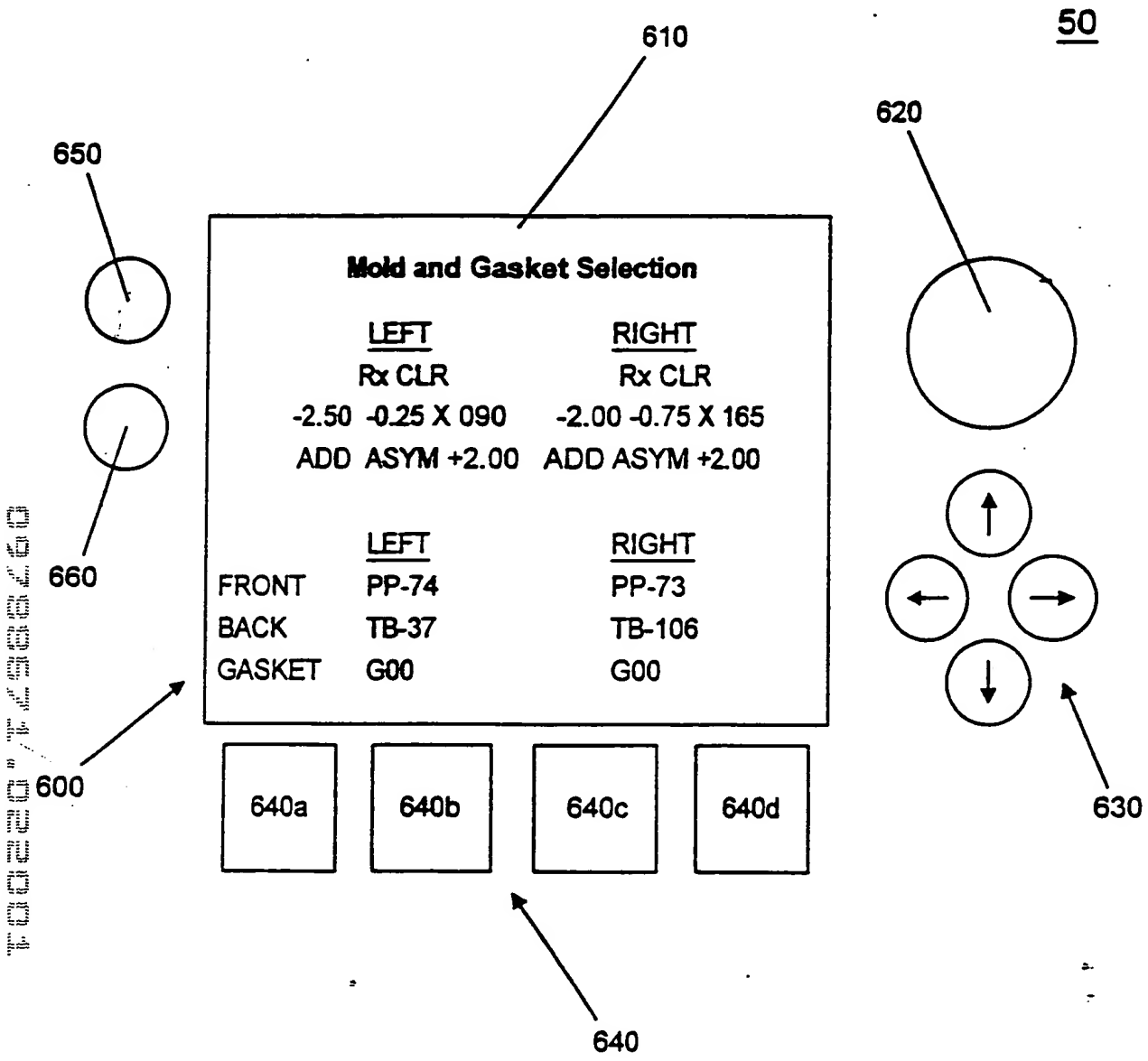

50
610
620
650
660
600
630
640
640a
640b
640c
640d
Mold and Gasket Selection
LEFT
RIGHT
Rx CLR
Rx CLR
-2.50 -0.25 X 090
-2.00 -0.75 X 165
ADD ASYM +2.00
ADD ASYM +2.00
LEFT
RIGHT
FRONT
PP-74
PP-73
BACK
TB-37
TB-106
GASKET
G00
G00

FIG. 19

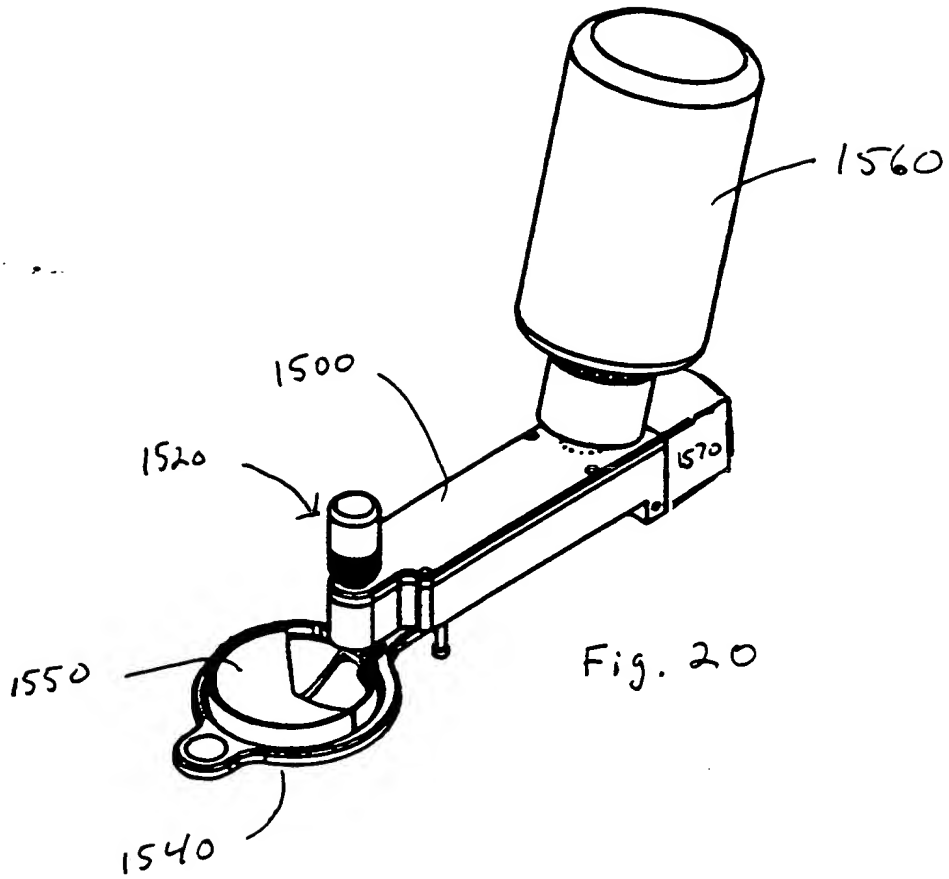


Fig. 20

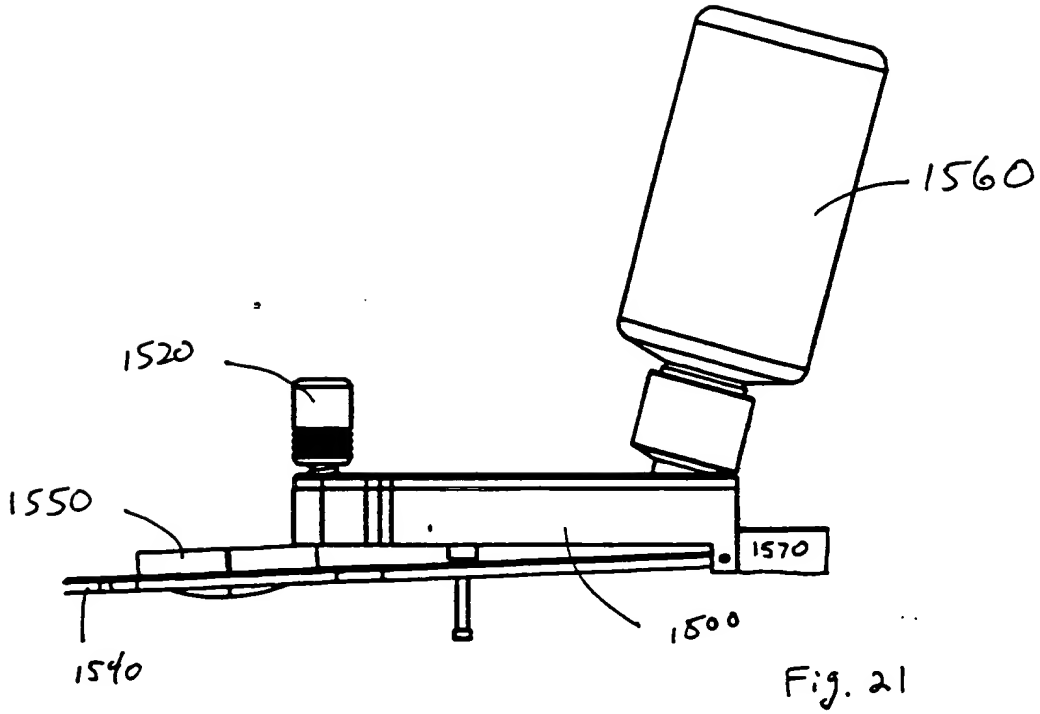


Fig. 21

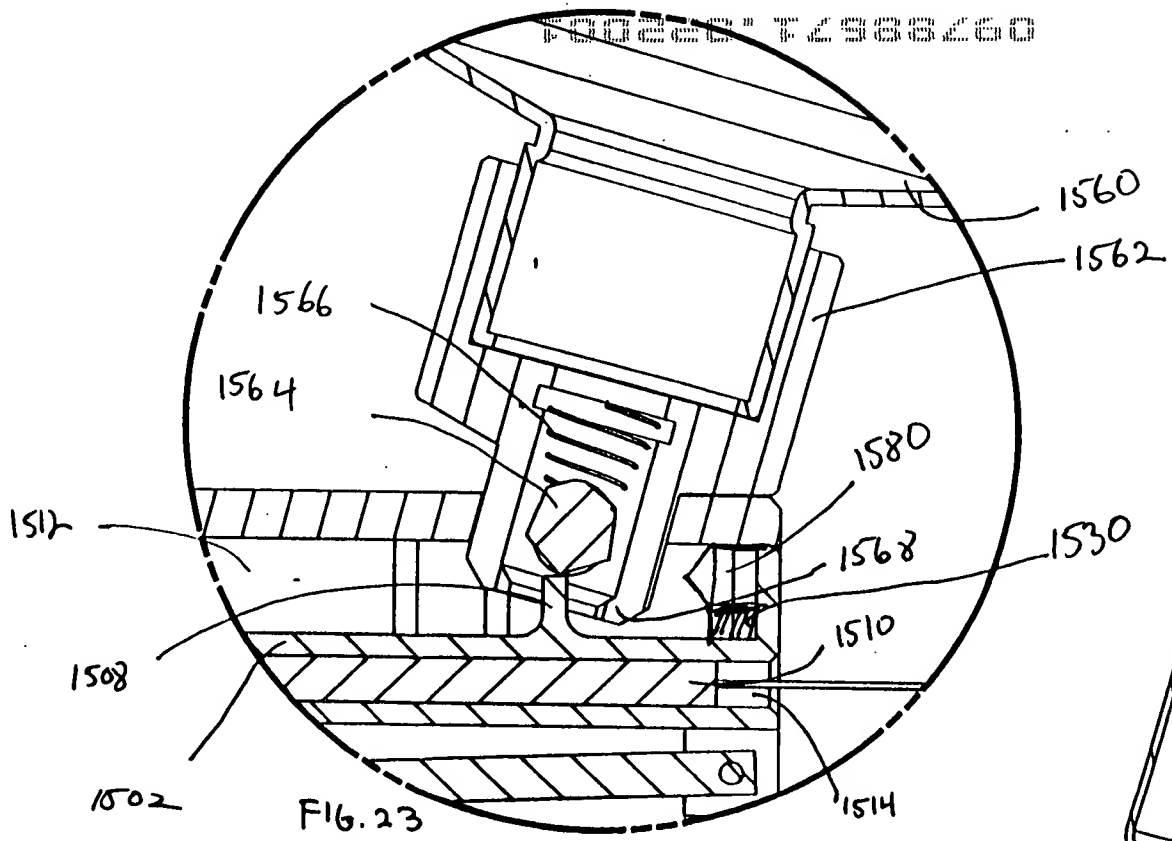

1560
1562
1566
1564
1580
1512
1568
1530
1510
1508
1502
1514

FIG. 23

1560
1569
1562
1524
1502
1504
1512
1522
B
1506
1526
1580
1514
1510
1550
1542
1544

FIG. 22

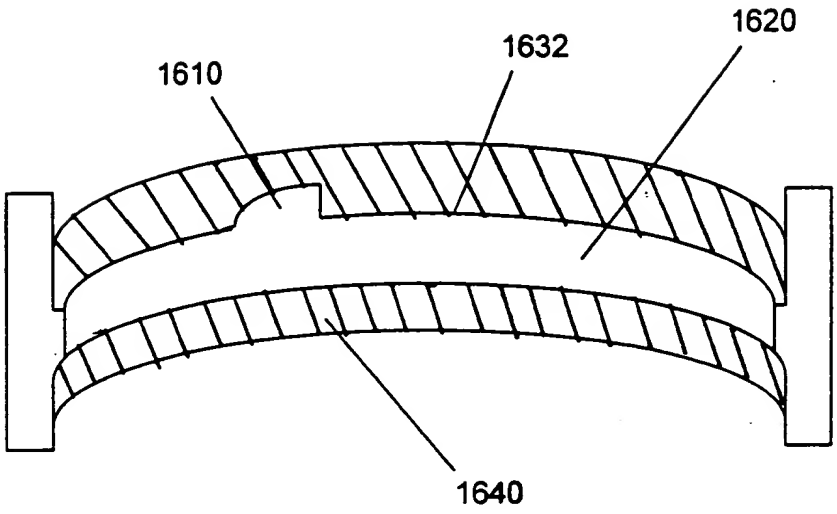


FIG. 24

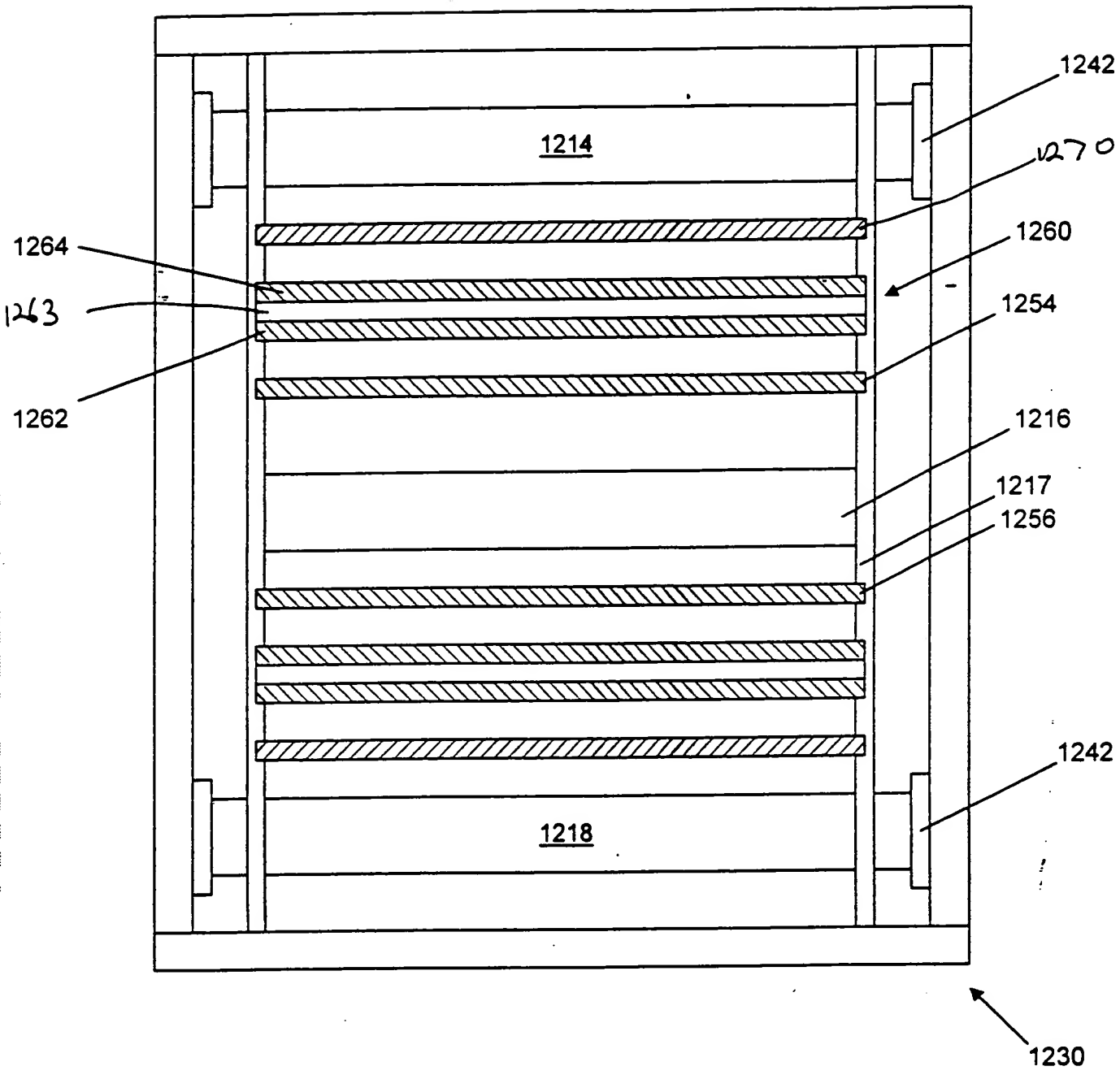

1242
1214
1270
1264
1260
1263
1254
1262
1216
1217
1256
1242
1218
1230

FIG. 25

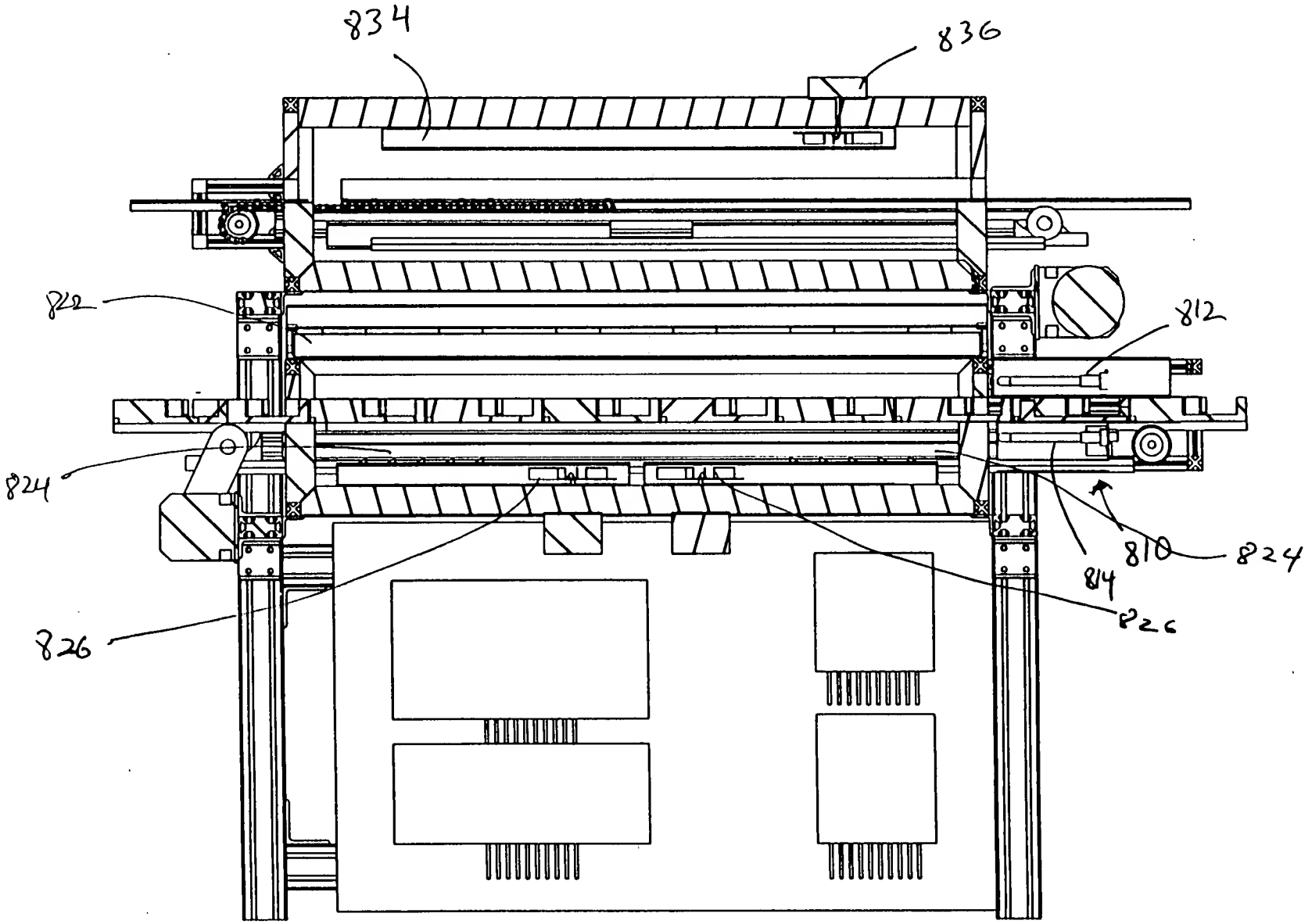


FIG 28

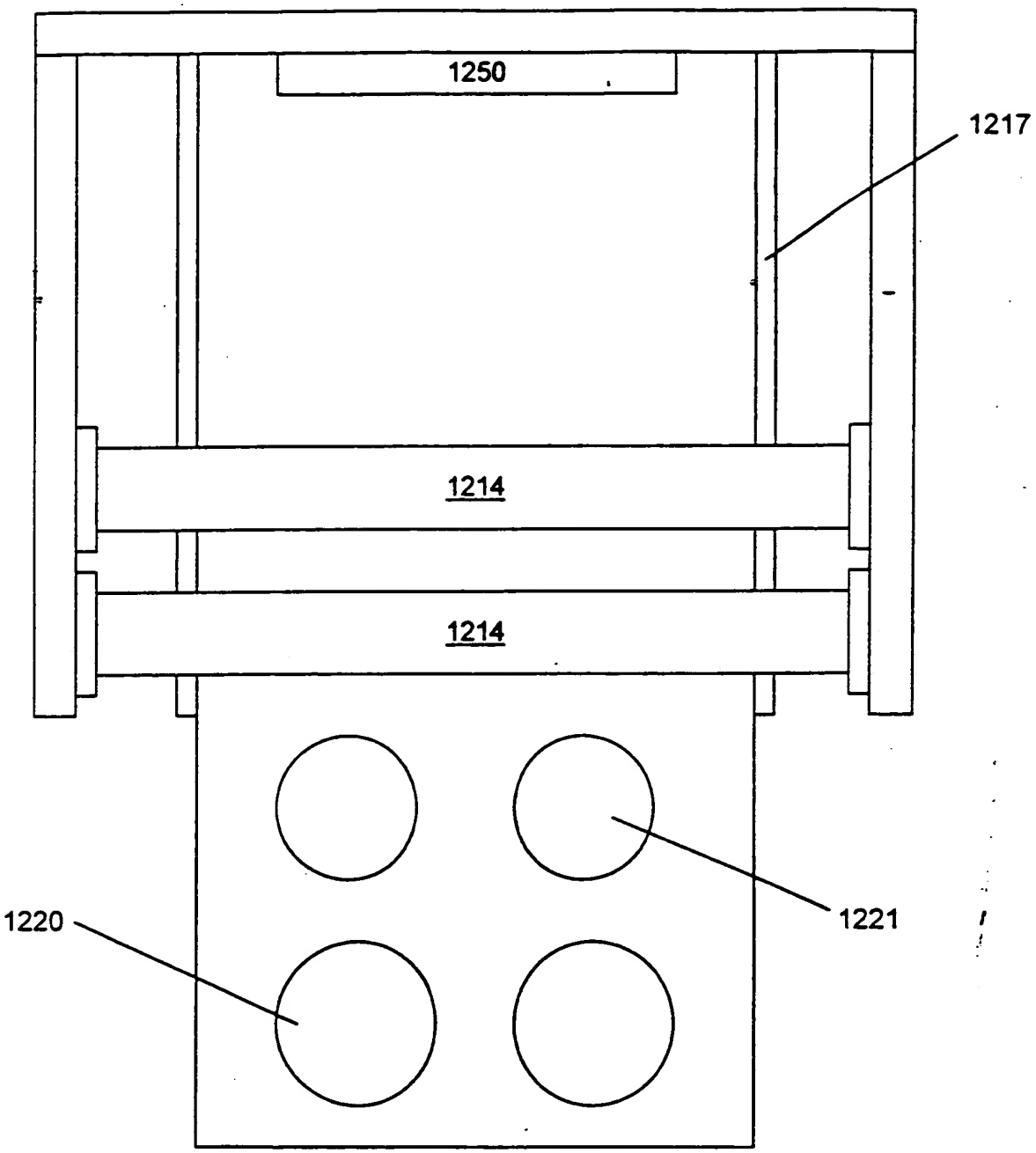


FIG. 26

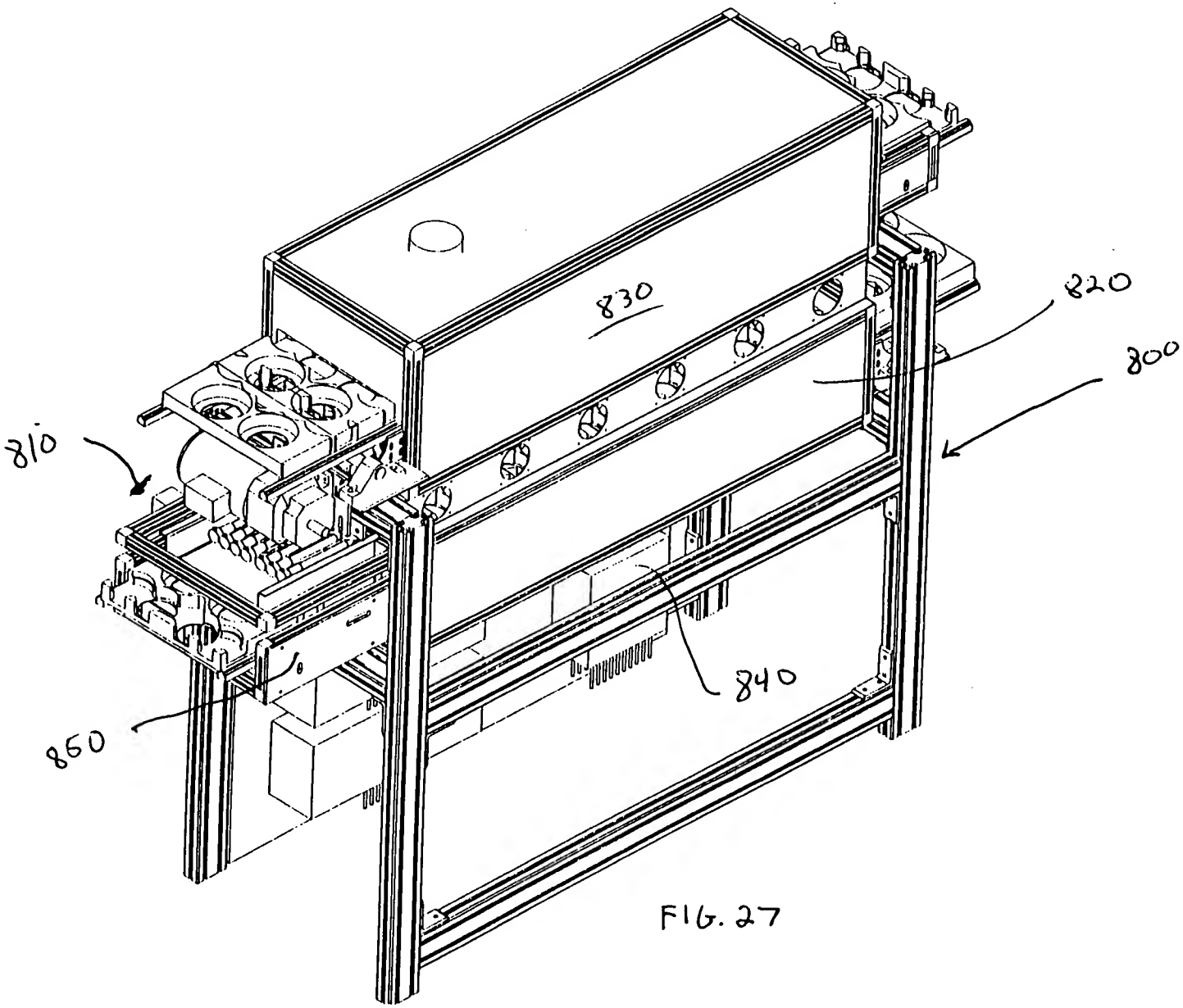


FIG. 27

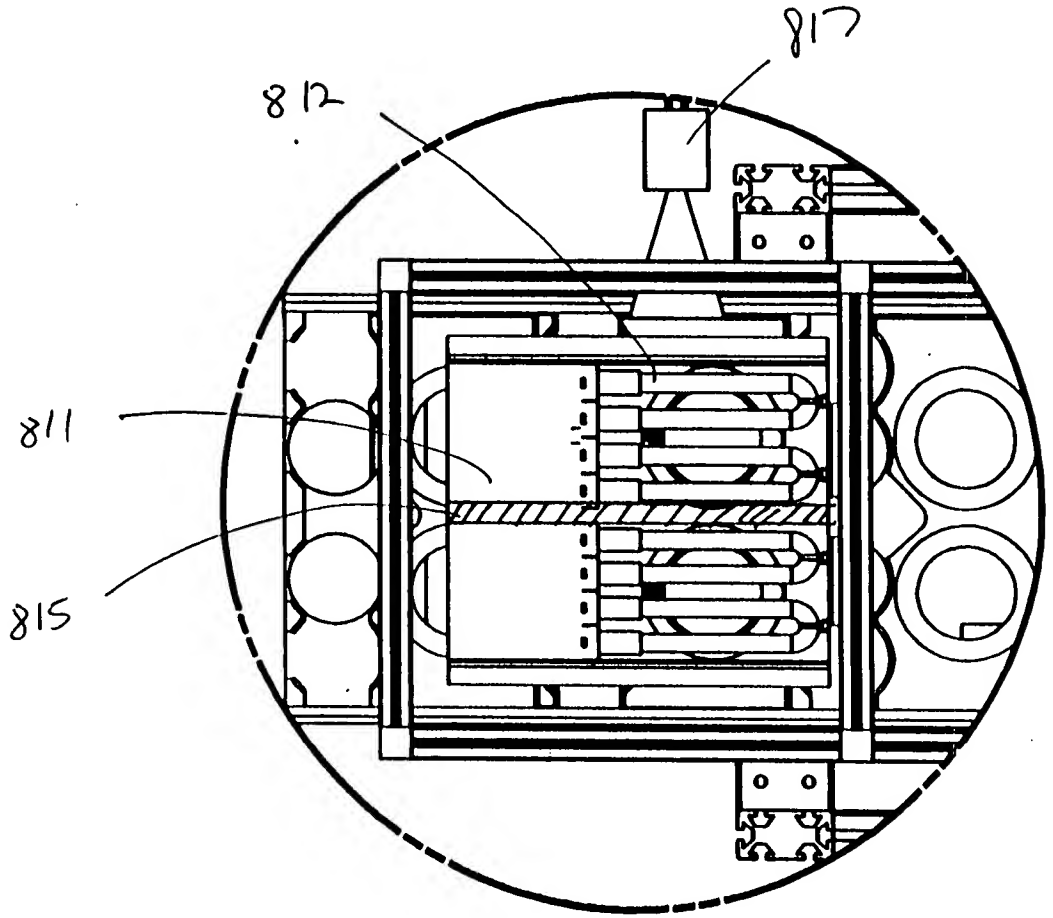


FIG. 29

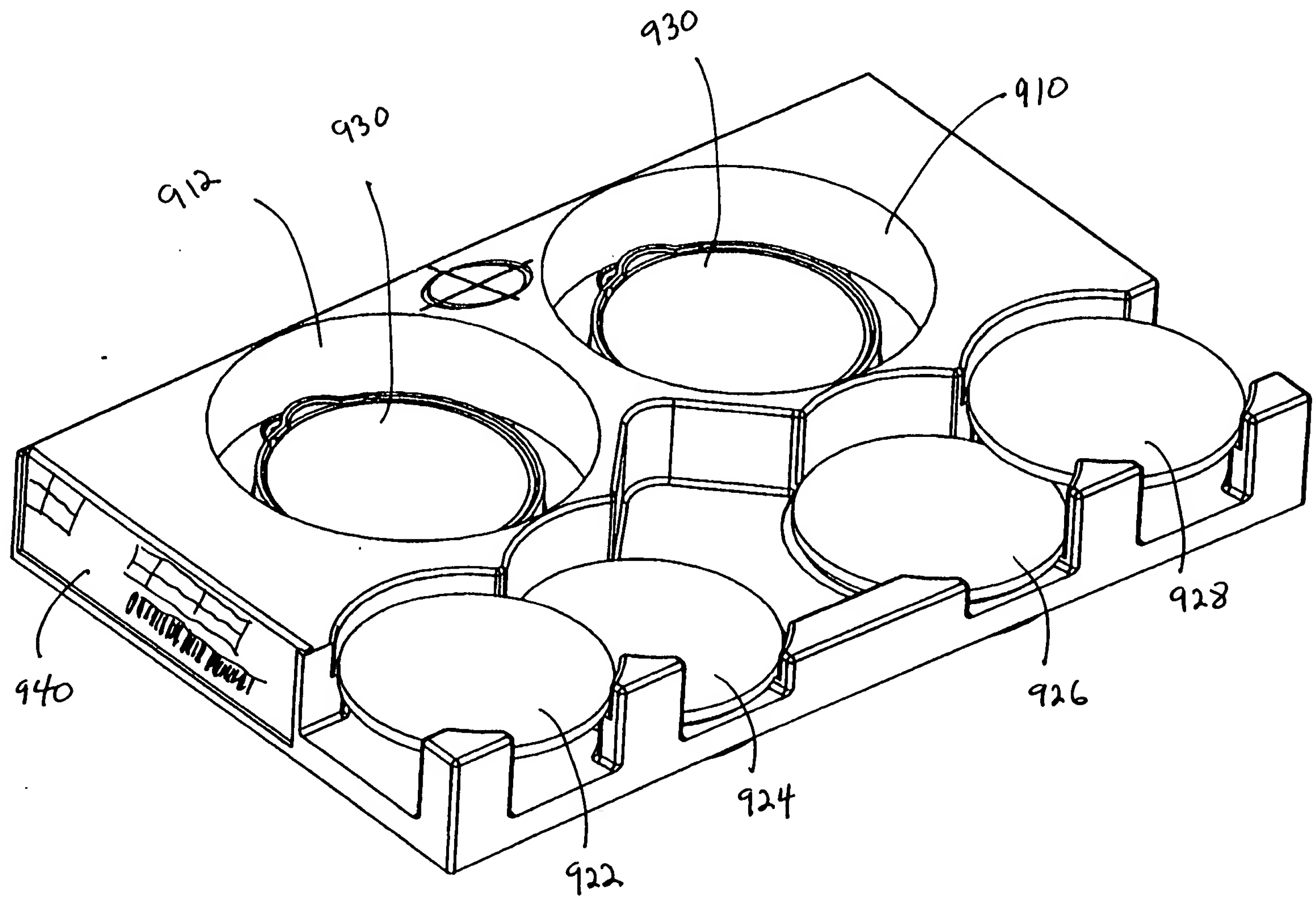


FIG. 30

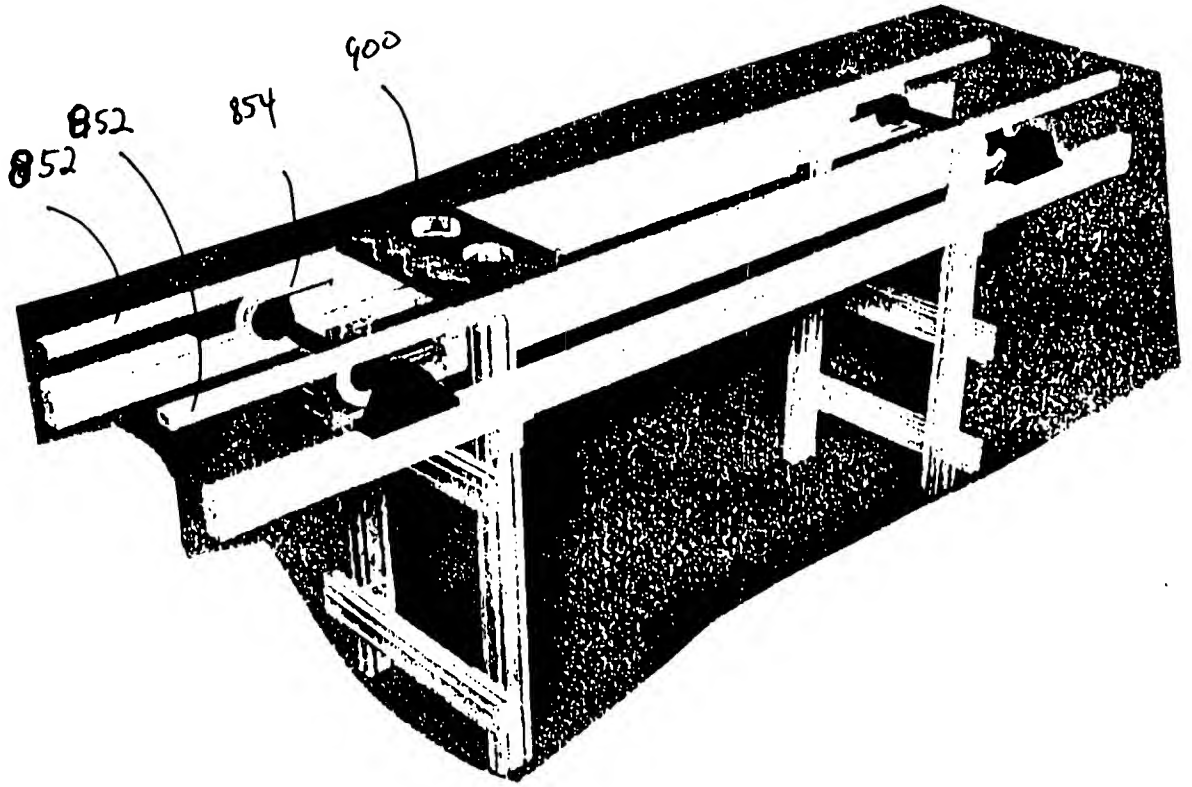


FIG. 31

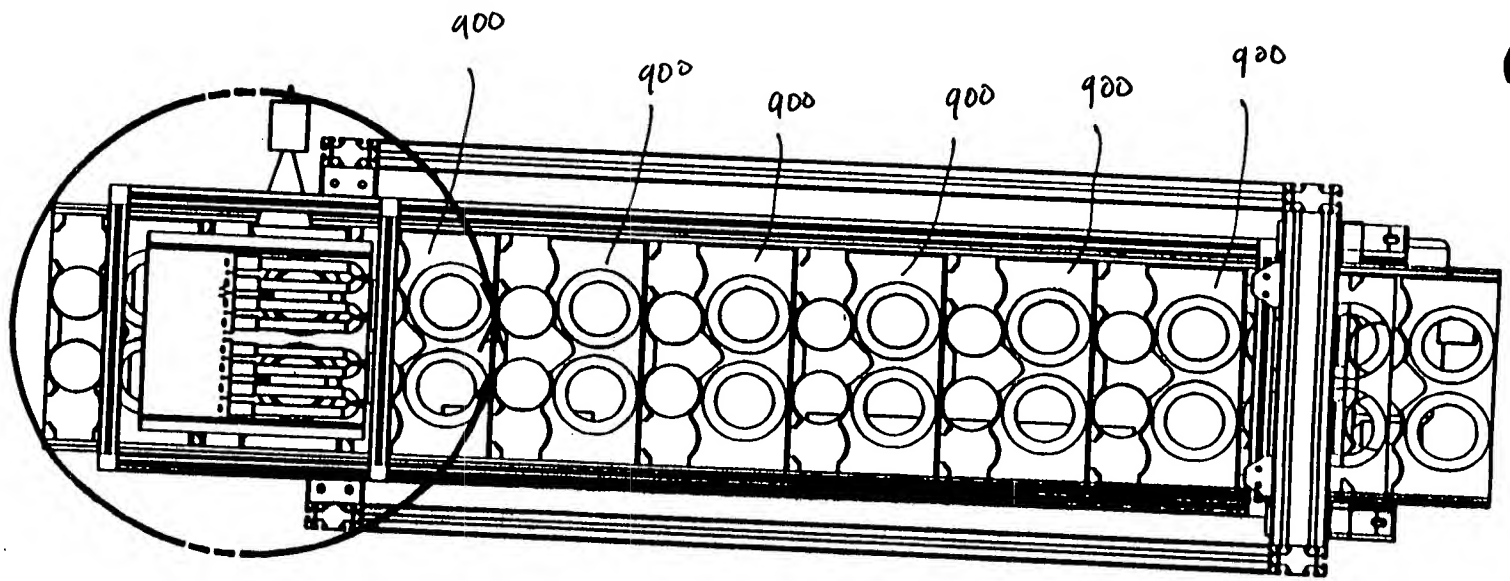


FIG. 32

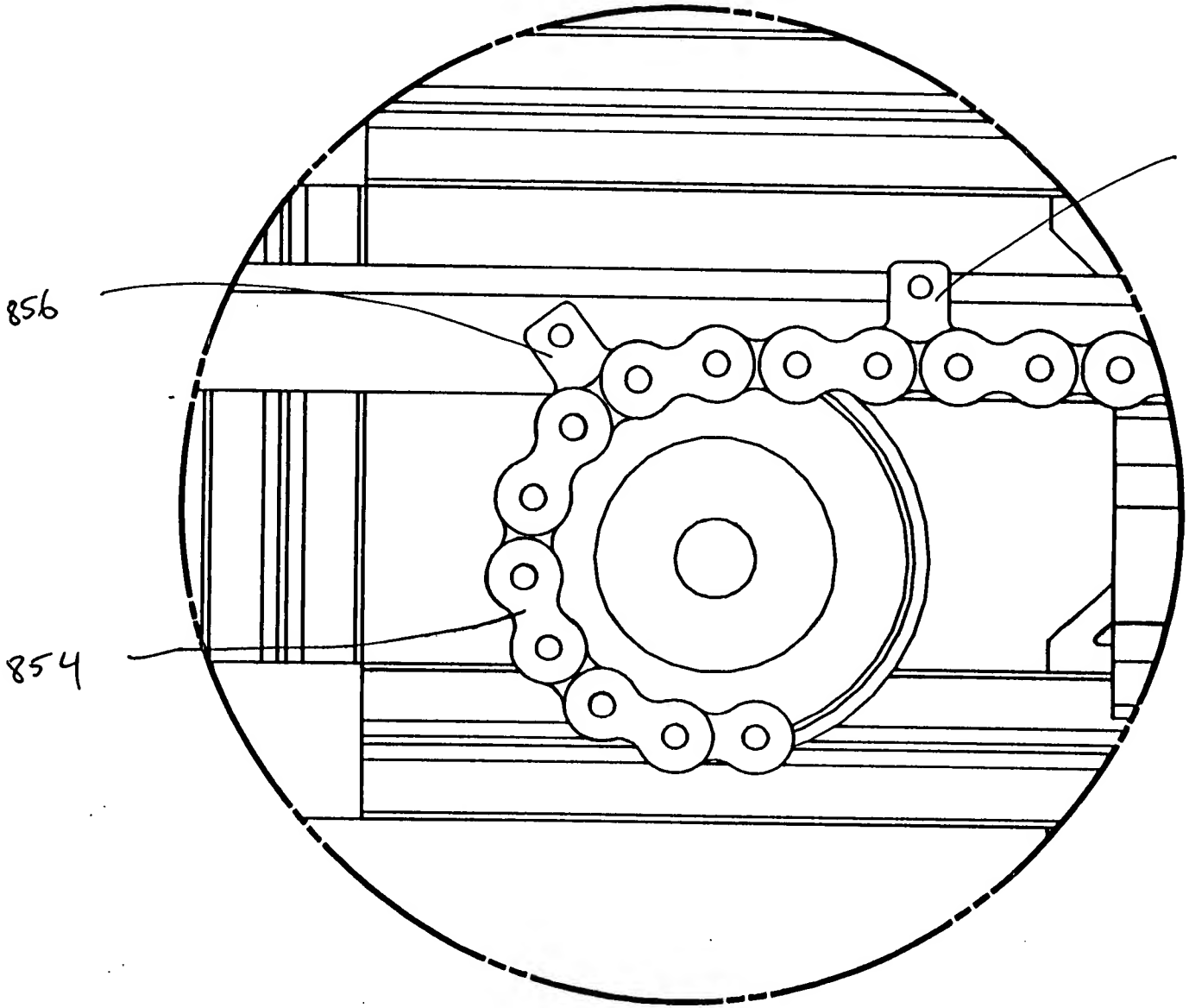


Fig. 33

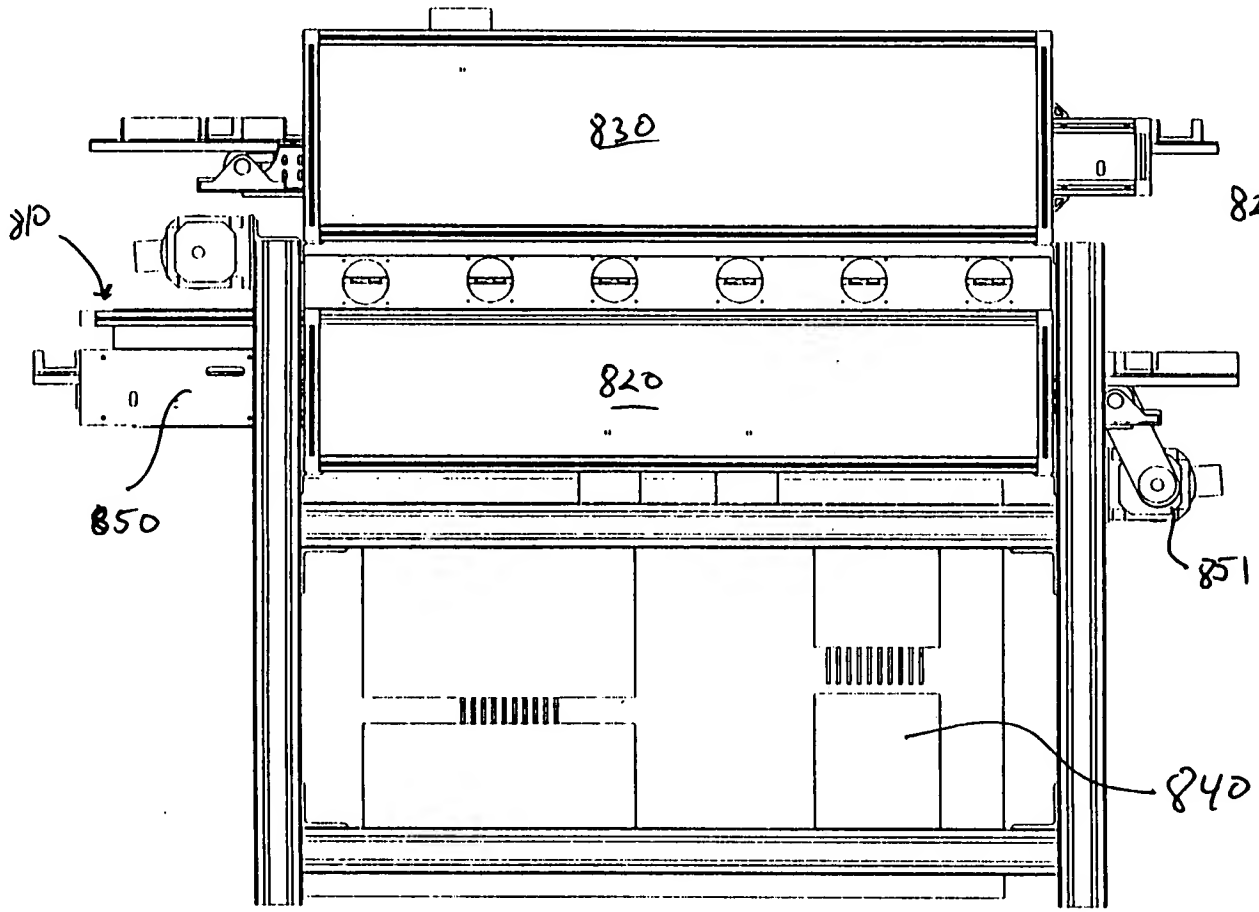


FIG. 34

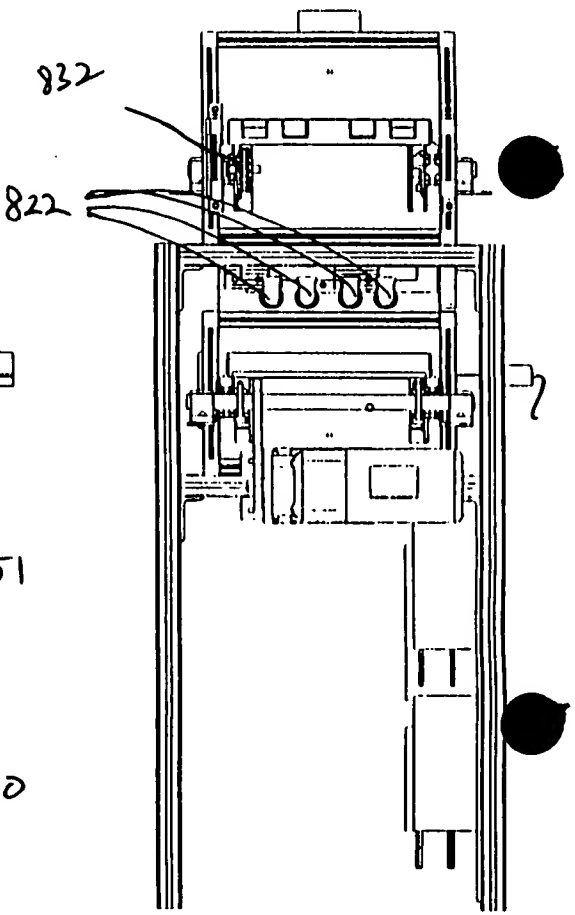


FIG. 35

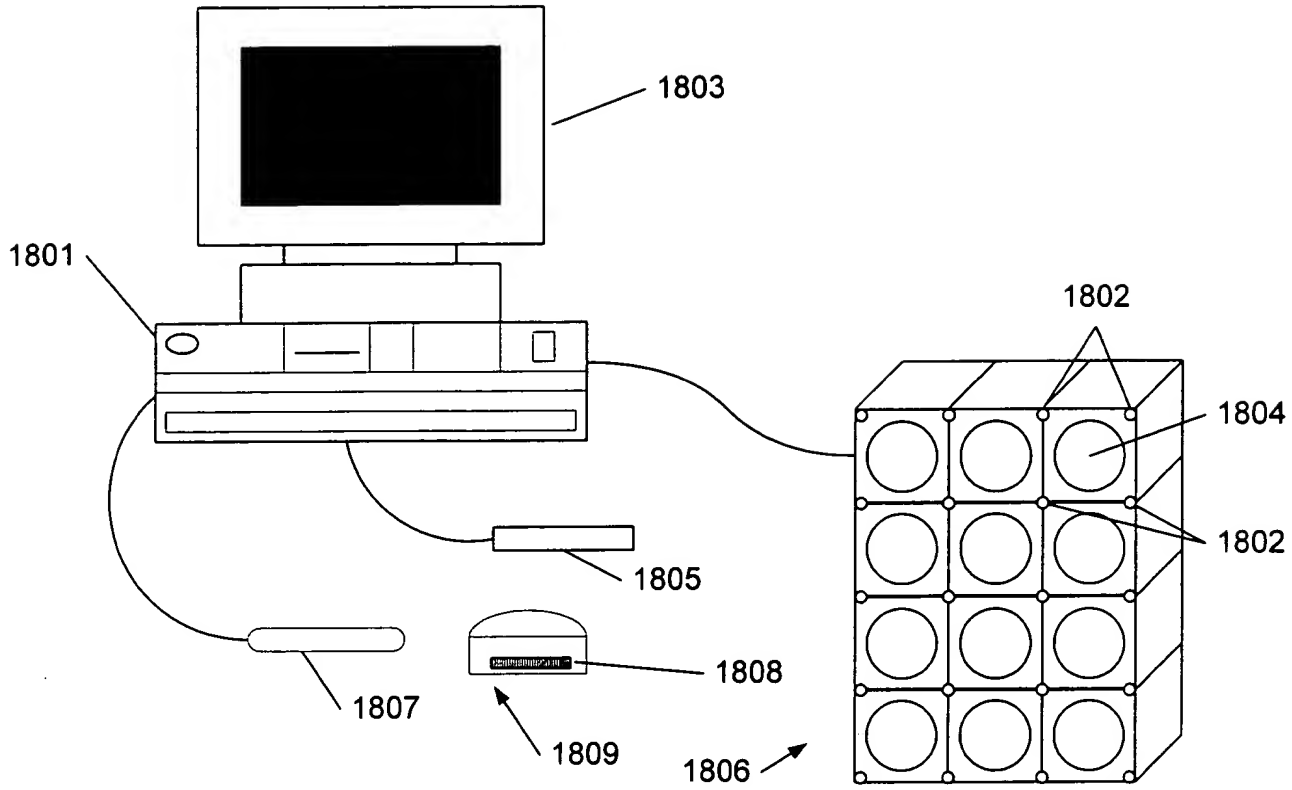
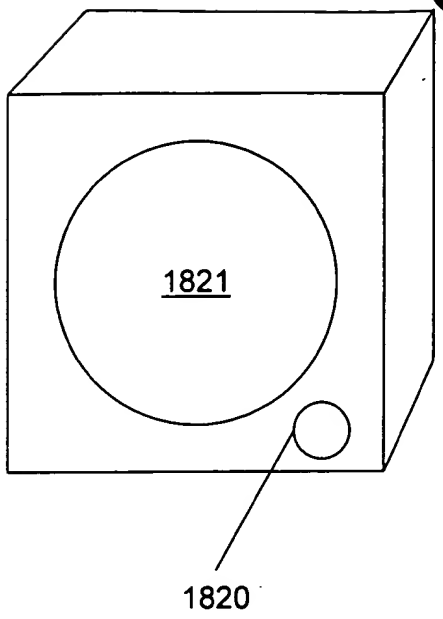
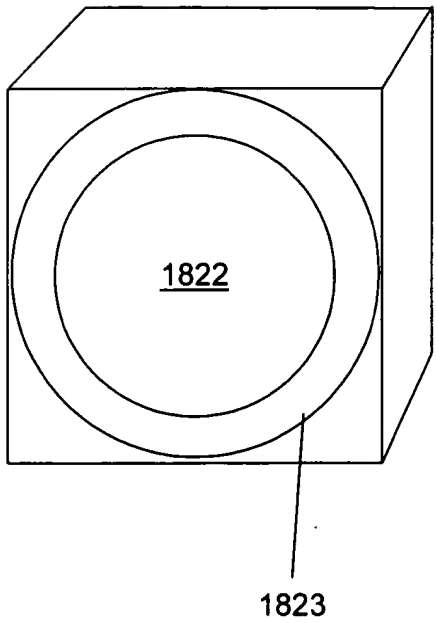


Fig.36



(a)



(b)

Fig. 37

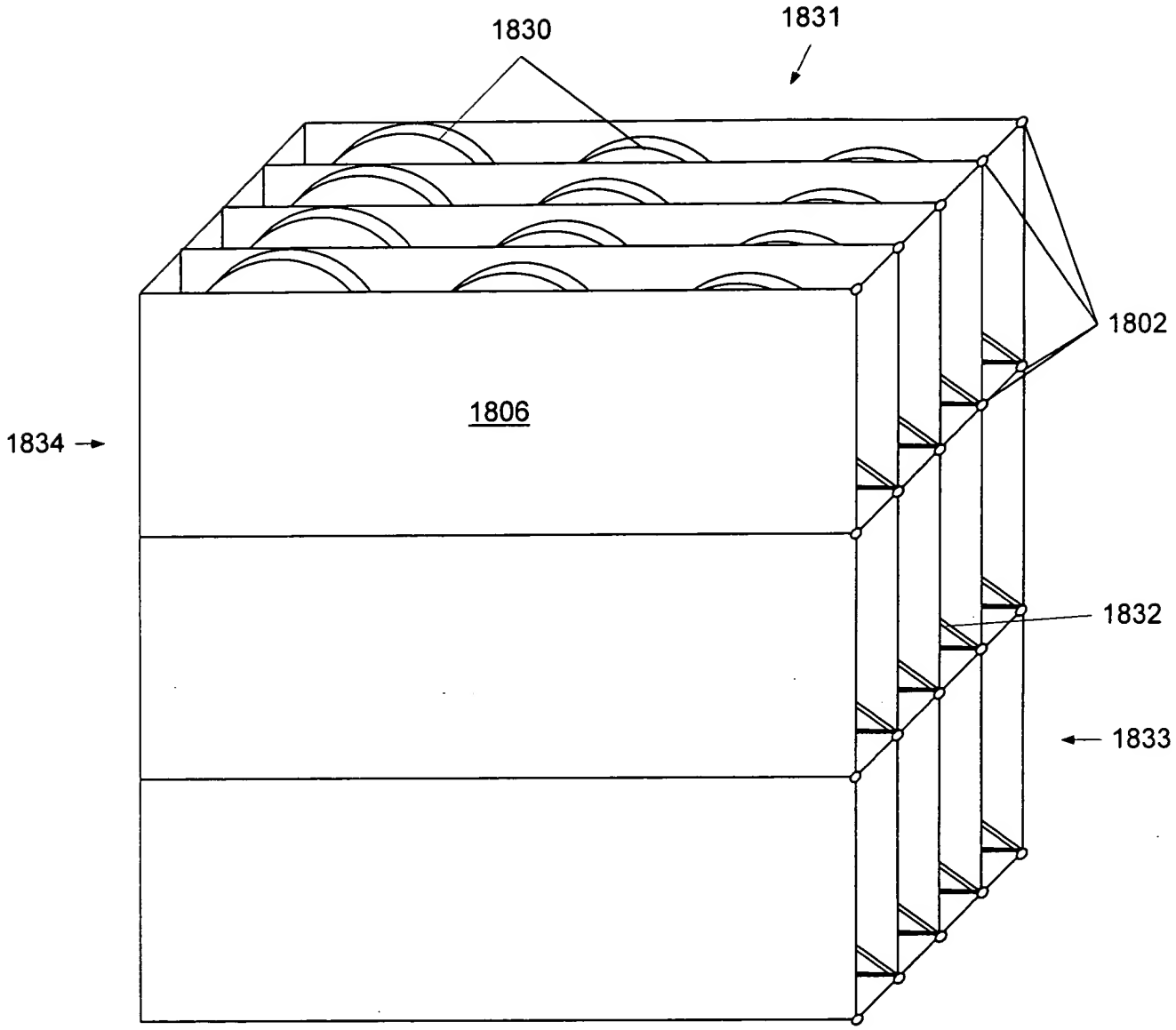


Fig. 38

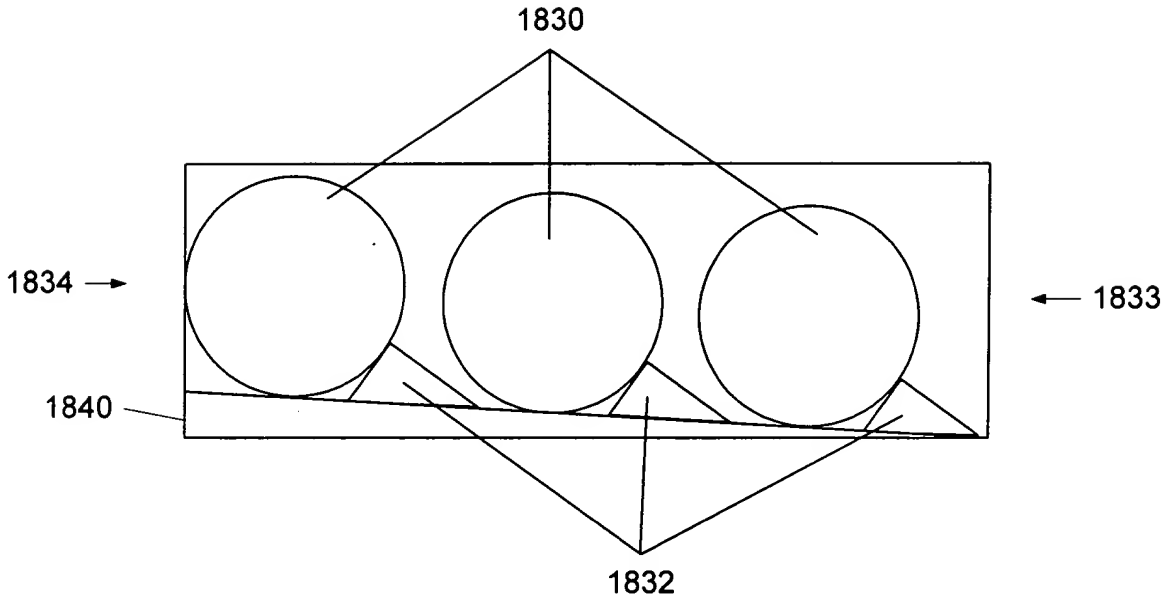


Fig. 39

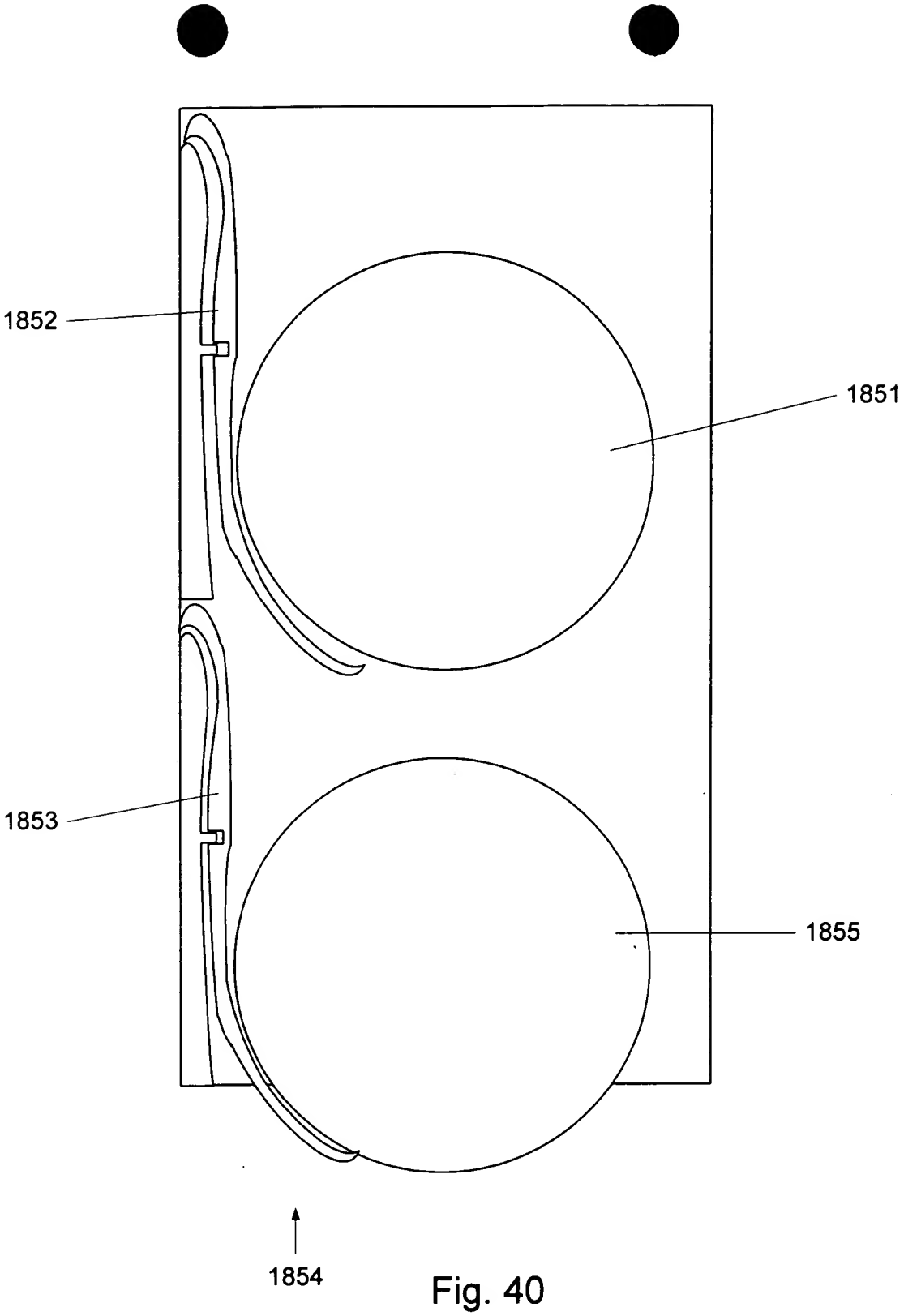


Fig. 40

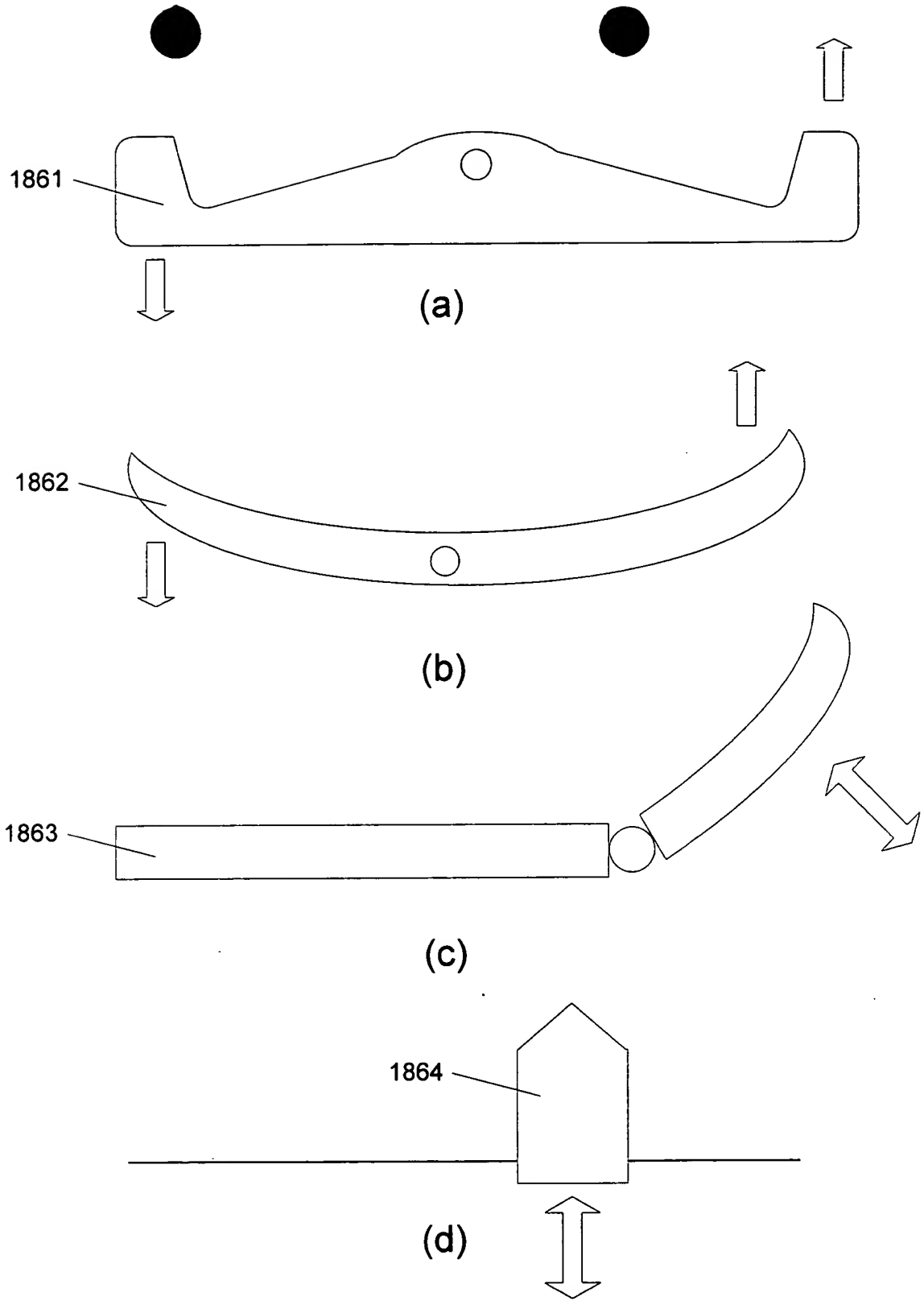


Fig. 41

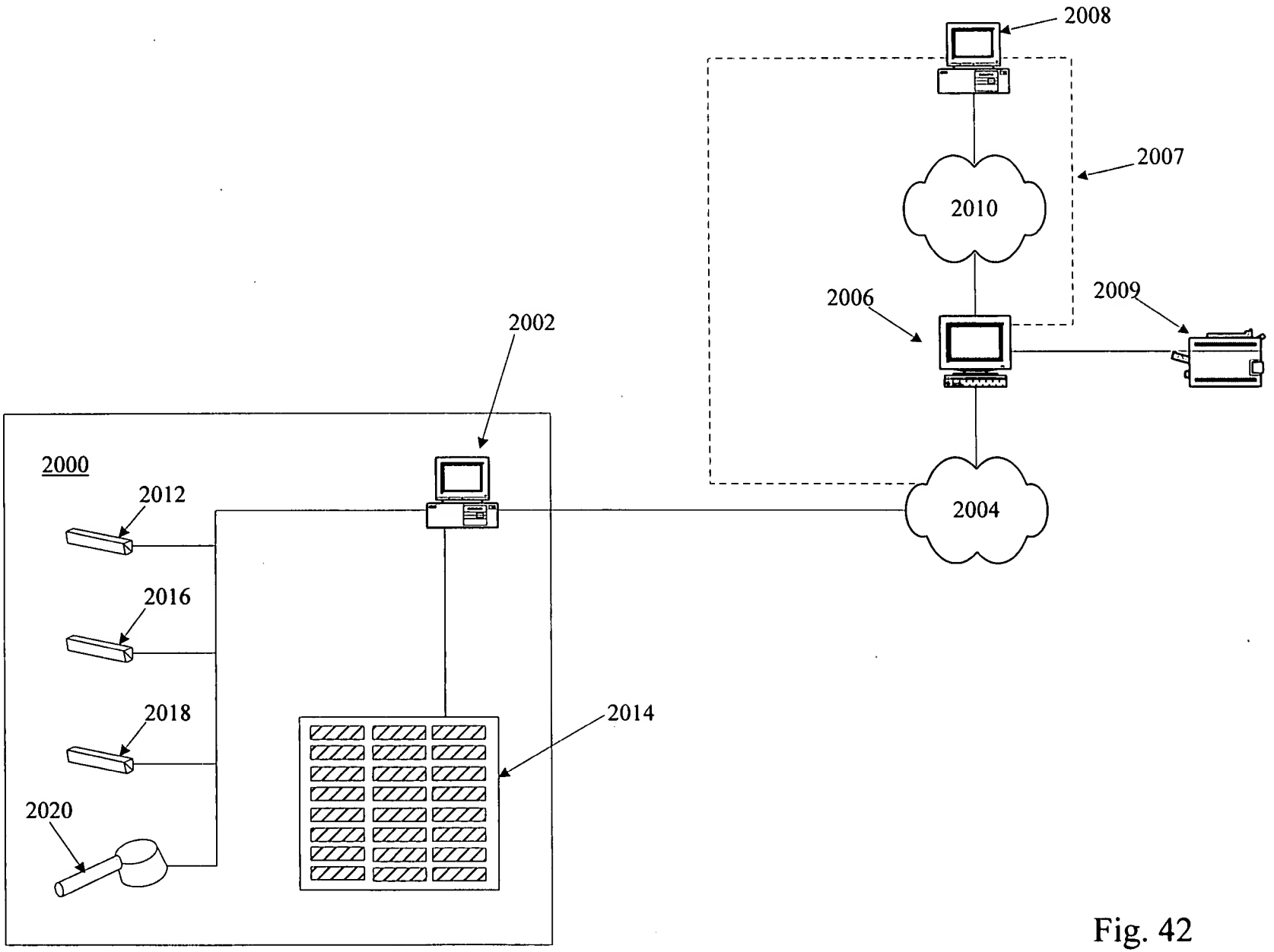


Fig. 42

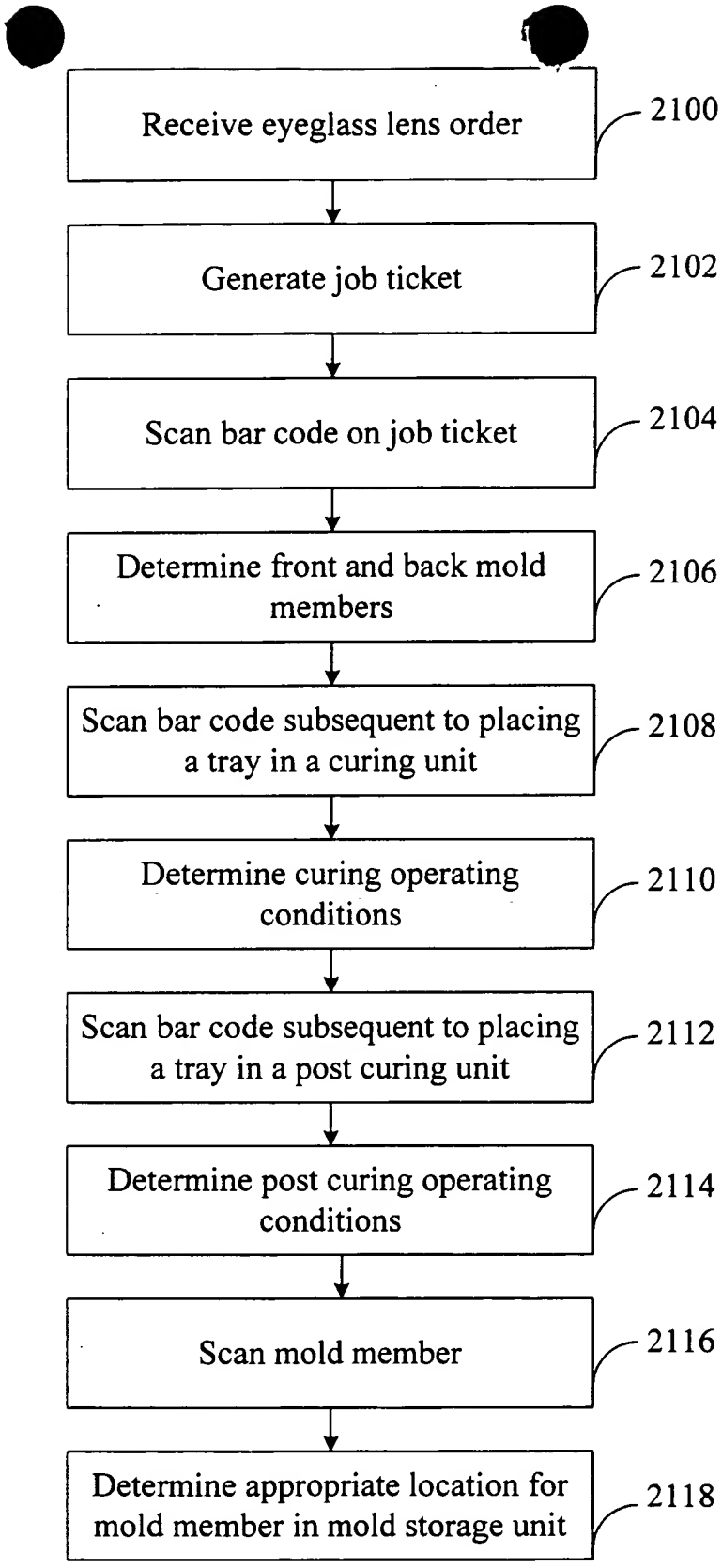

Receive eyeglass lens order
2100
Generate job ticket
2102
Scan bar code on job ticket
2104
Determine front and back mold members
2106
Scan bar code subsequent to placing a tray in a curing unit
2108
Determine curing operating conditions
2110
Scan bar code subsequent to placing a tray in a post curing unit
2112
Determine post curing operating conditions
2114
Scan mold member
2116
Determine appropriate location for mold member in mold storage unit
2118

Fig. 43

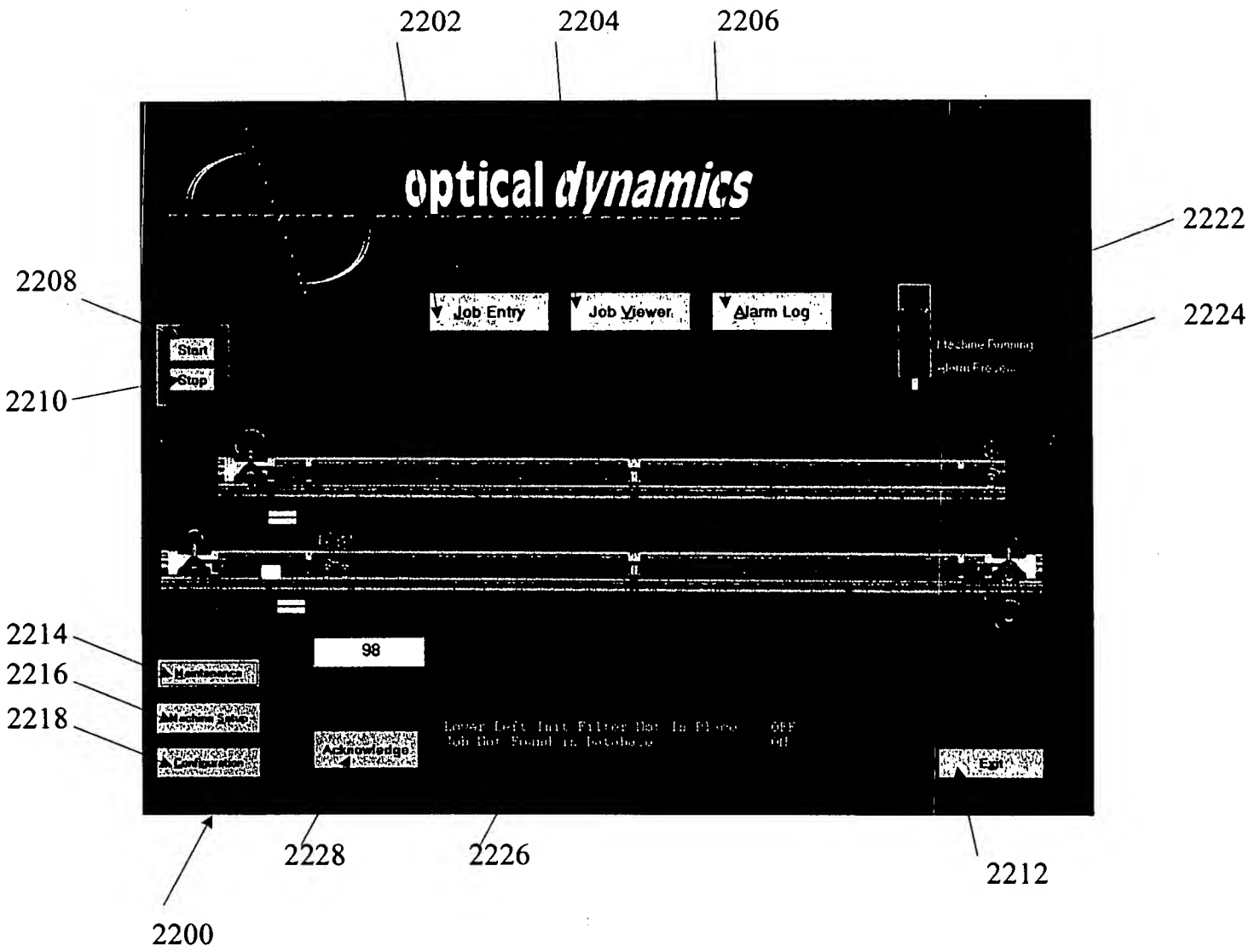


Fig. 44

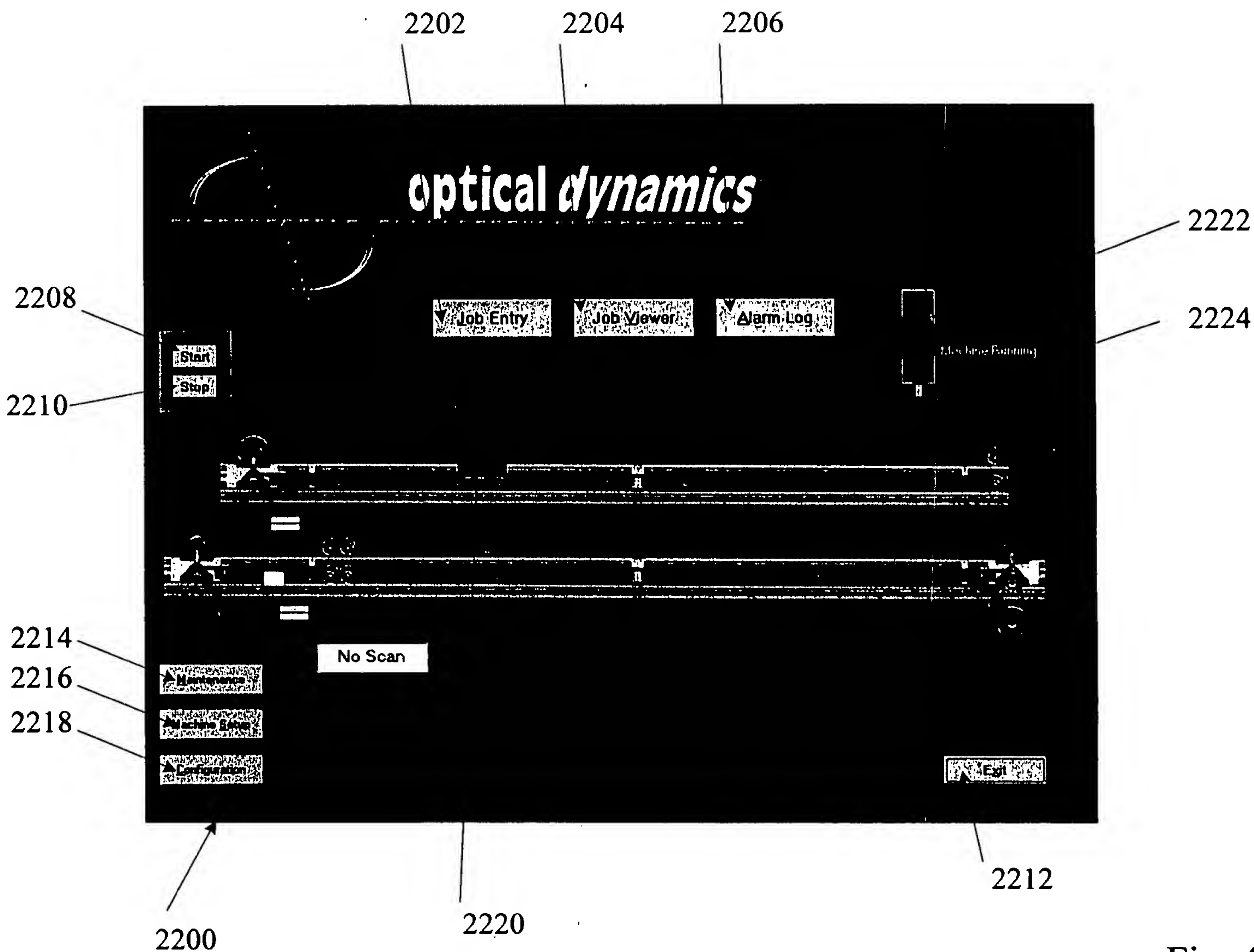

2202
2204
2206
optical dynamics
2222
2224
2208
Job Entry
Job Viewer
Alarm Log
Start
Stop
2210
2214
2216
2218
No Scan
Exit
2200
2220
2212

Fig. 45

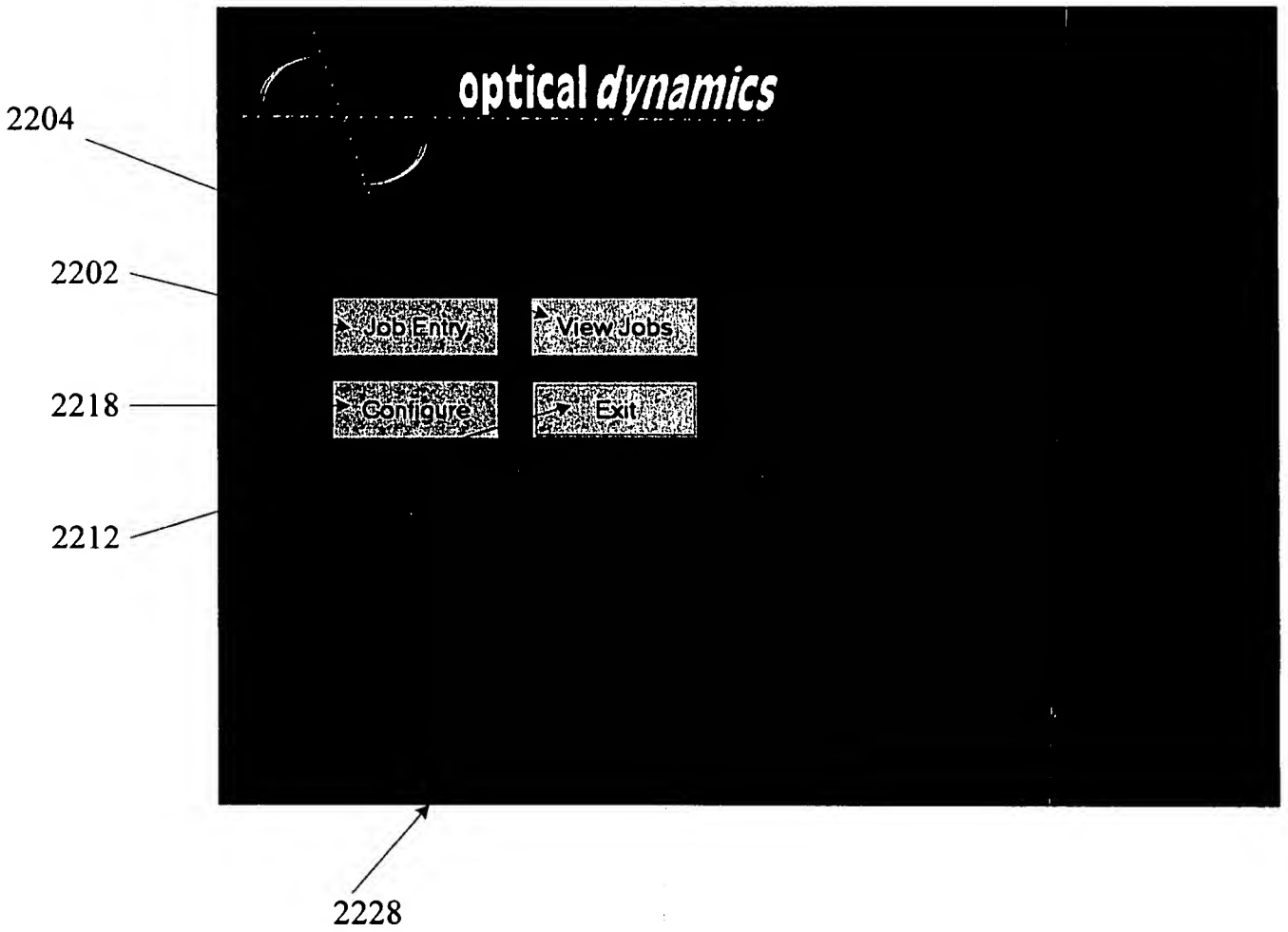


Fig. 46

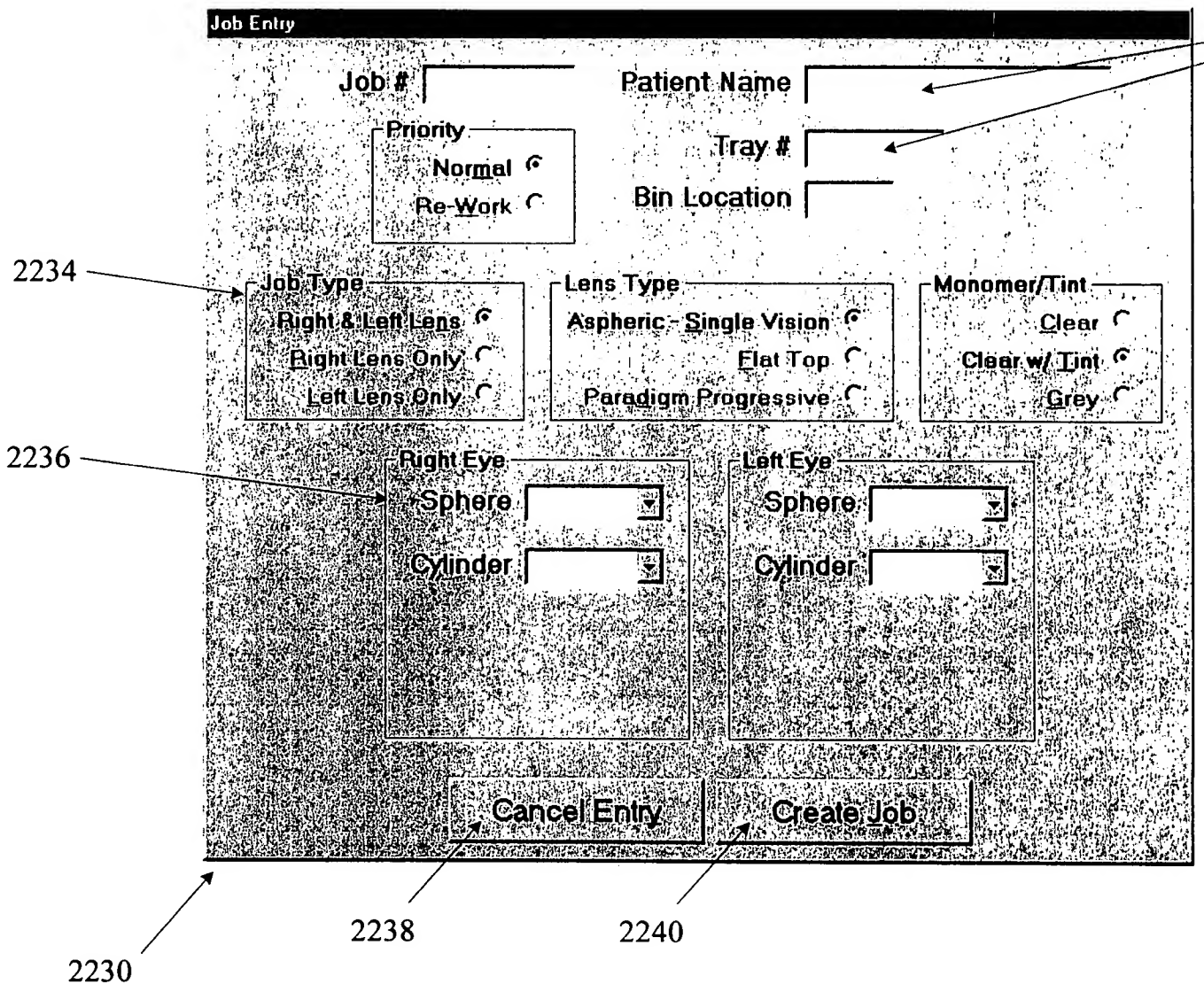


Fig. 47

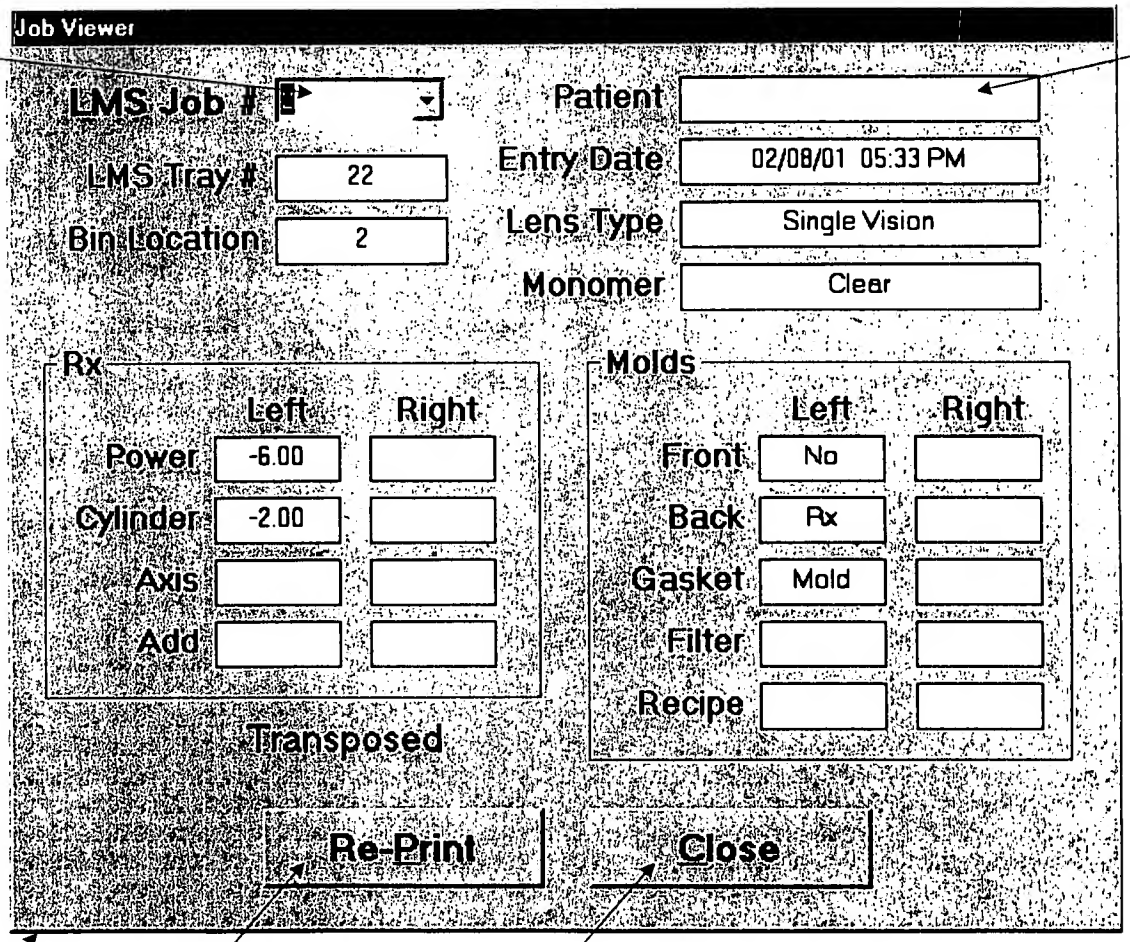

Job Viewer
LMS Job #
LMS Tray #
22
Bin Location
2
Patient
Entry Date
02/08/01 05:33 PM
Lens Type
Single Vision
Monomer
Clear
Rx
Left
Right
Power
-6.00
Cylinder
-2.00
Axis
Add
Molds
Left
Right
Front
No
Back
Rx
Gasket
Mold
Filter
Recipe
Transposed
Re-Print
Close
2244
2246
2242
2248
2280

Fig. 48

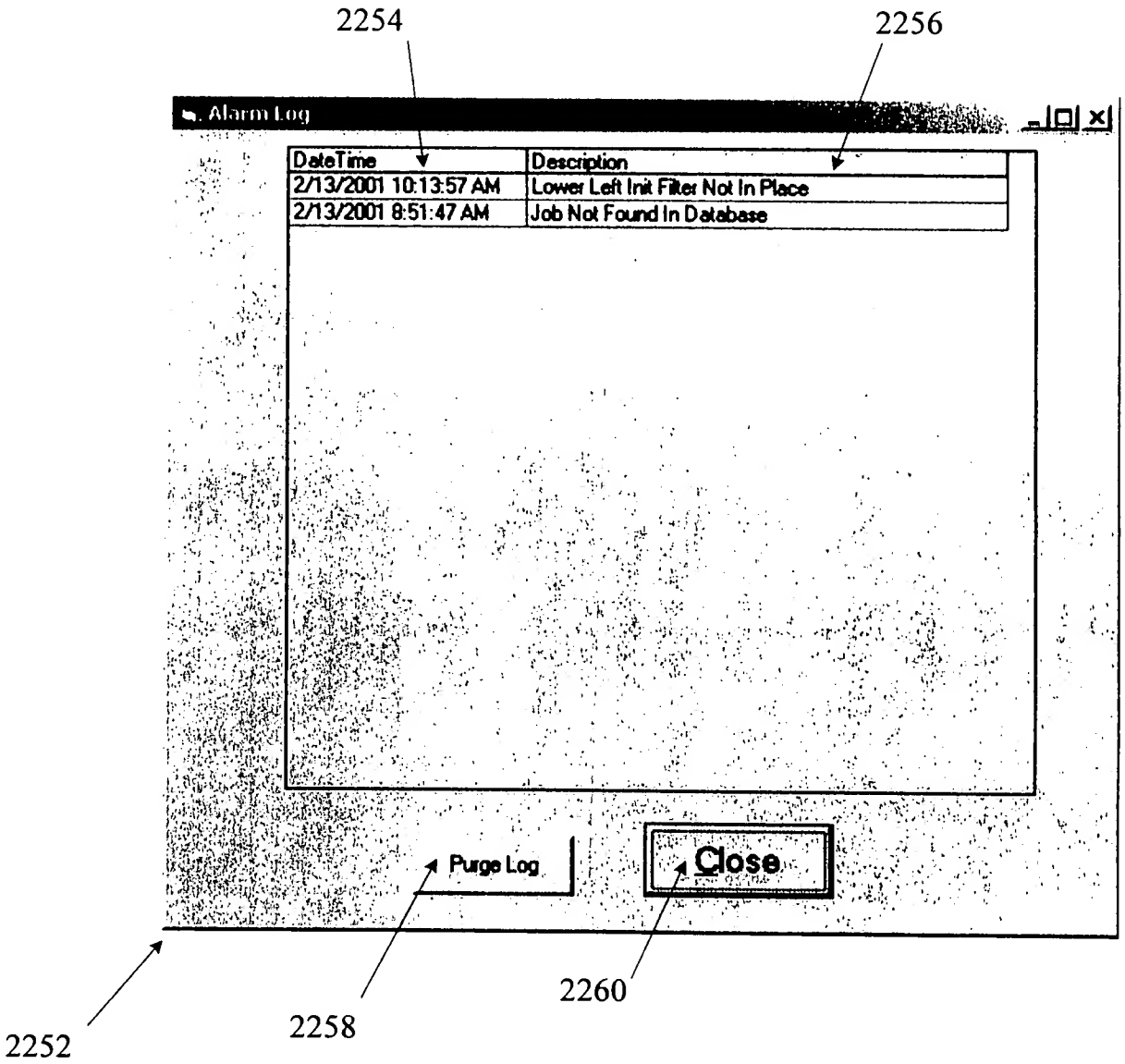


Fig. 49

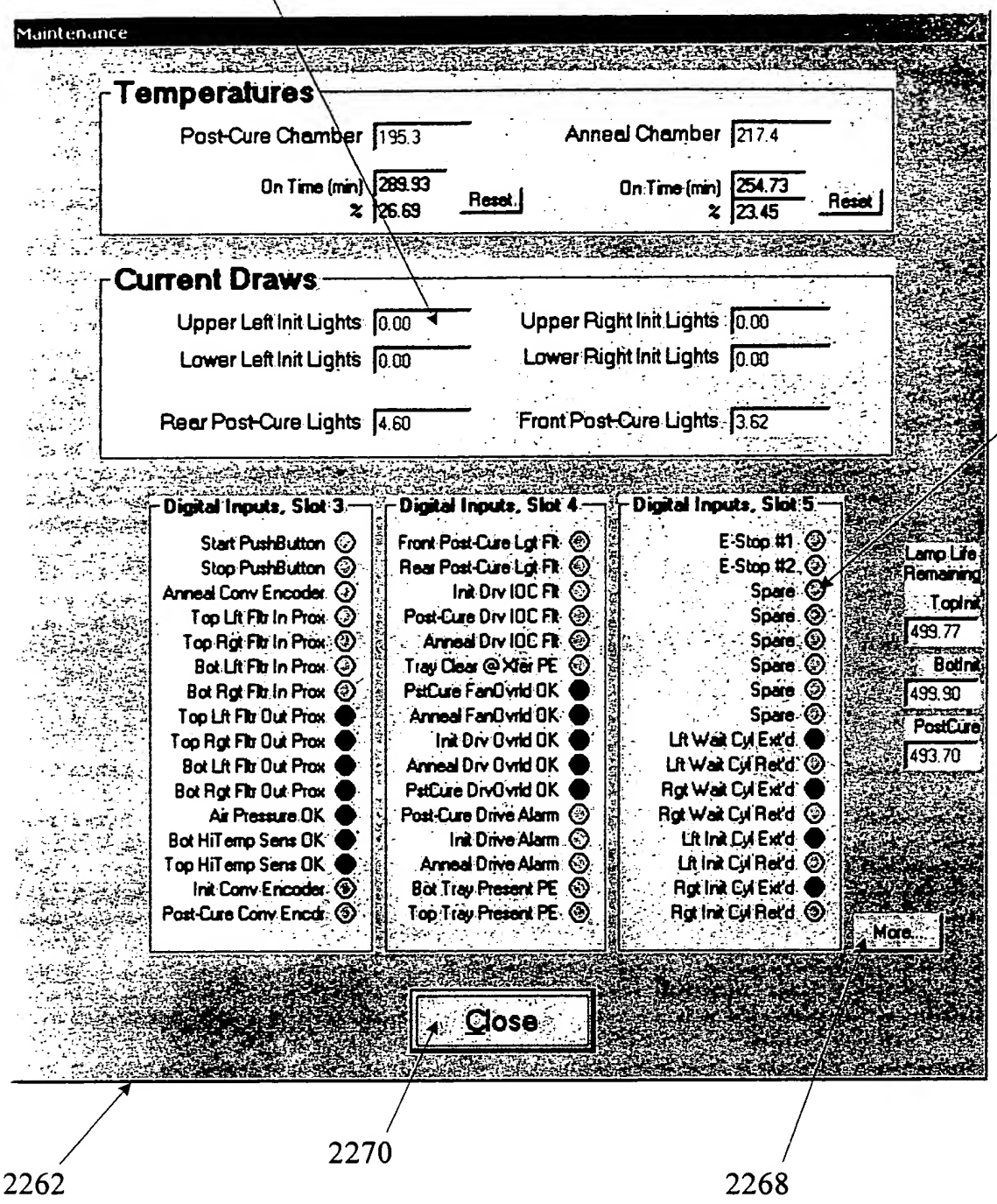

2264
Maintenance
Temperatures
Post-Cure Chamber
195.3
Anneal Chamber
217.4
On Time (min)
289.93
%
26.69
Reset
On Time (min)
254.73
%
23.45
Reset
Current Draws
Upper Left Init Lights
0.00
Upper Right Init Lights
0.00
Lower Left Init Lights
0.00
Lower Right Init Lights
0.00
Rear Post-Cure Lights
4.60
Front Post-Cure Lights
3.62
2266
Digital Inputs, Slot 3
Start PushButton
Stop PushButton
Anneal Conv Encoder
Top Lft Fltr In Prox
Top Rgt Fltr In Prox
Bot Lft Fltr In Prox
Bot Rgt Fltr In Prox
Top Lft Fltr Out Prox
Top Rgt Fltr Out Prox
Bot Lft Fltr Out Prox
Bot Rgt Fltr Out Prox
Air Pressure OK
Bot HiTemp Sens OK
Top HiTemp Sens OK
Init Conv Encoder
Post-Cure Conv Encdr
Digital Inputs, Slot 4
Front Post-Cure Lgt Flt
Rear Post-Cure Lgt Flt
Init Drv IOC Flt
Post-Cure Drv IOC Flt
Anneal Drv IOC Flt
Tray Clear @ Xfer PE
PstCure FanOvrld OK
Anneal FanOvrld OK
Init Drv Ovrld OK
Anneal Drv Ovrld OK
PstCure DrvOvrld OK
Post-Cure Drive Alarm
Init Drive Alarm
Anneal Drive Alarm
Bot Tray Present PE
Top Tray Present PE
Digital Inputs, Slot 5
E-Stop #1
E-Stop #2
Spare
Spare
Spare
Spare
Spare
Spare
Lft Wait Cyl Ext'd
Lft Wait Cyl Ret'd
Rgt Wait Cyl Ext'd
Rgt Wait Cyl Ret'd
Lft Init Cyl Ext'd
Lft Init Cyl Ret'd
Rgt Init Cyl Ext'd
Rgt Init Cyl Ret'd
Lamp Life Remaining
TopInit
499.77
BotInit
499.90
PostCure
493.70
More...
Close
2262
2270
2268

Fig. 50

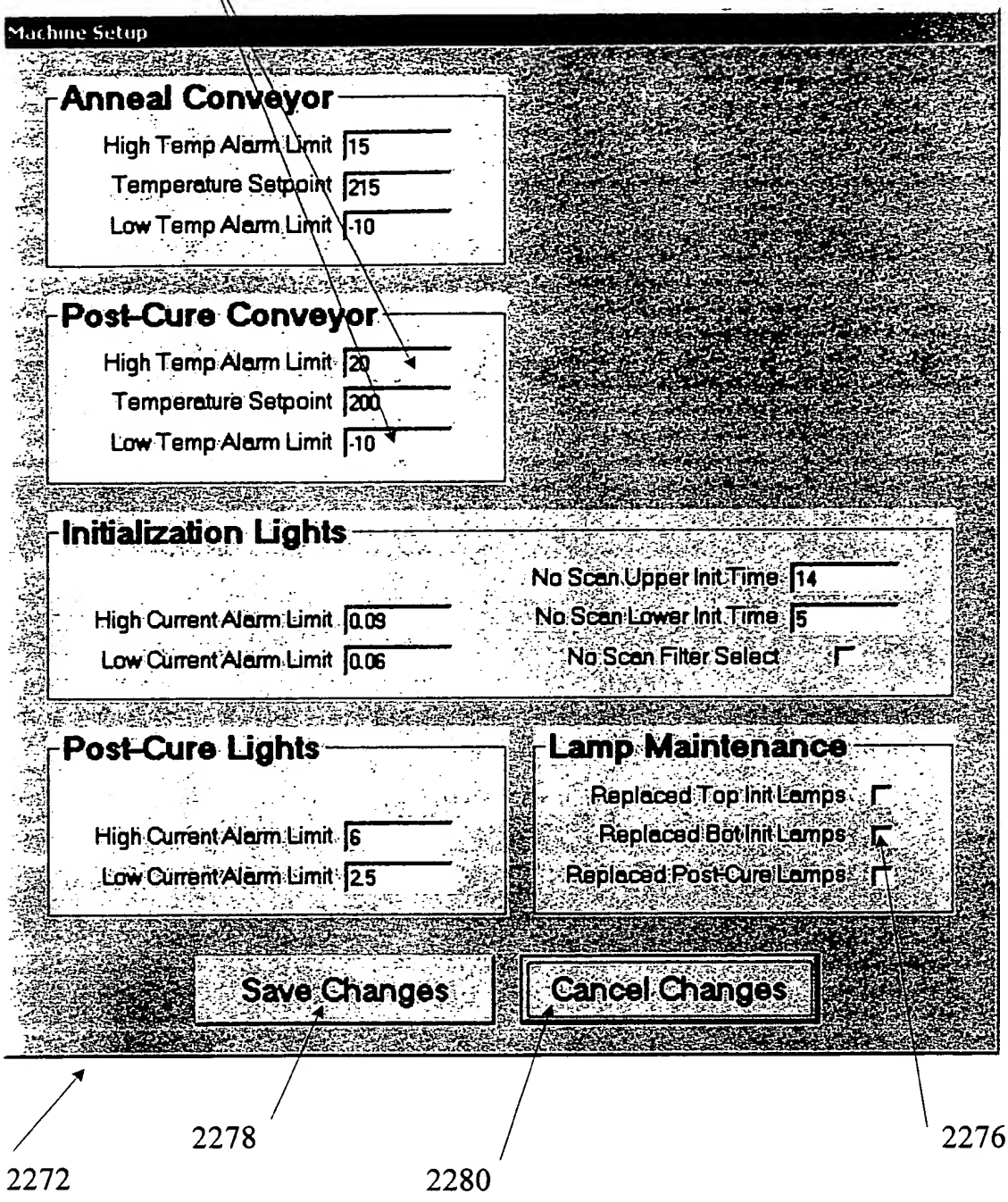

2274
Machine Setup
Anneal Conveyor
High Temp Alarm Limit 15
Temperature Setpoint 215
Low Temp Alarm Limit -10
Post-Cure Conveyor
High Temp Alarm Limit 20
Temperature Setpoint 200
Low Temp Alarm Limit -10
Initialization Lights
High Current Alarm Limit 0.09
Low Current Alarm Limit 0.06
No Scan Upper Init Time 14
No Scan Lower Init Time 5
No Scan Filter Select
Post-Cure Lights
High Current Alarm Limit 6
Low Current Alarm Limit 2.5
Lamp Maintenance
Replaced Top Init Lamps
Replaced Bot Init Lamps
Replaced Post-Cure Lamps
Save Changes
Cancel Changes
2272
2278
2280
2276

Fig. 51

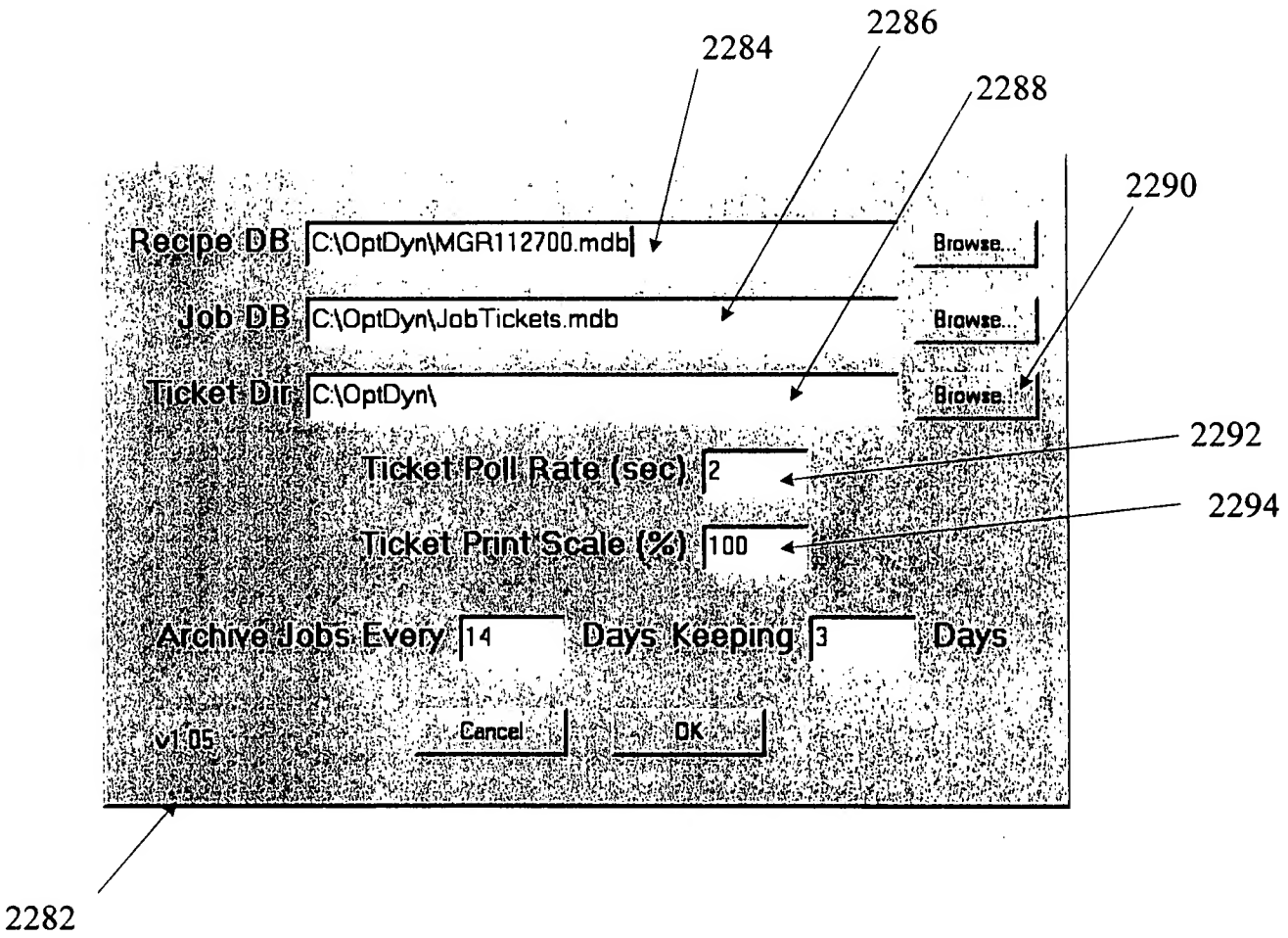


Fig. 52

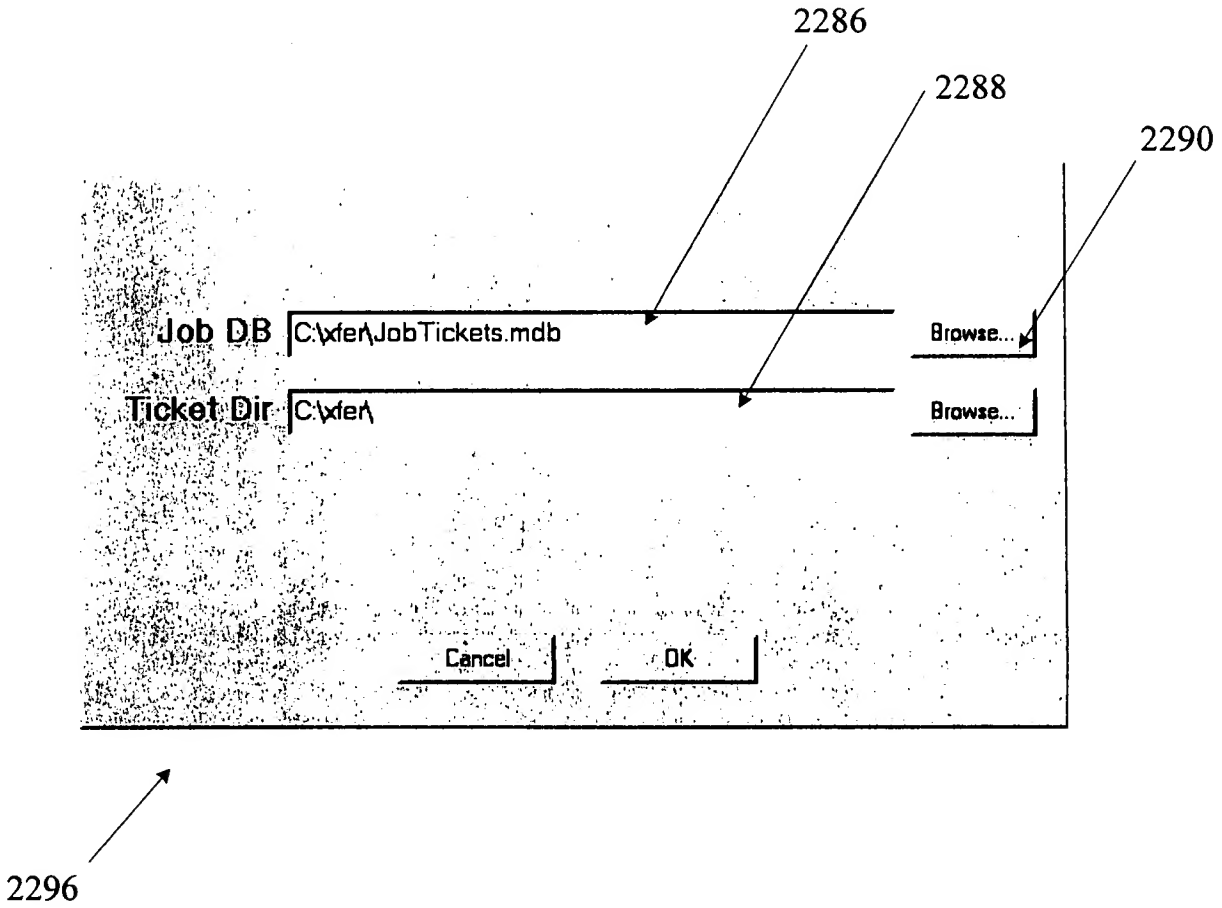


Fig. 53